

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 37-8850

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. Water right 37-8846 is located in the same quarter-quarter, this is a surface water source from the Threemile Creek.

2. Other water rights with the same point of diversion: None. Other water rights located to the west are irrigation water rights for the golf course greens.

C. DIVERSION AND DELIVERY SYSTEM

1. **LOCATION OF POINT(S) OF DIVERSION:**

GROUND WATER NE1/4SE1/4 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 13									X	X							
01N 13E 14													X			X	

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

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 (pictures were lost and unable to be retrieved by IT when my computer crashed)

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>
A0018547	unknown make/model	10	unknown	unknown (submersible)	unknown

Discharges into a 3 ½ inch PVC line that comes into the pumphouse, then to two 15,000 gallon storage tanks, then discharges to a 6 inch buried PVC main.

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

D. FLOW MEASUREMENTS

1.

<u>Measurement</u> <u>Equipment</u>	<u>Type</u>	<u>Make</u>	<u>Model No.</u>	<u>Serial No.</u>	<u>Size</u>	<u>Calib. Date</u>
McCrometer				95-6794-3	3-inch	unknown

No measurement was obtained, since this system is a "demand system," and no water was being used from the storage tanks, to kick on the pump.

2. Measurements:

None.

E. FLOW CALCULATIONS

Measured Method:

Exhibit 12: Maximum Instantaneous Water Requirement for Domestic Use for 39 homes:

Domestic 30 homes (0.25 cfs)

Domestic 40 homes (0.30 cfs)

Well Drillers Report:

65 gpm X 0.00223 = 0.15 cfs

Theoretical:

$(8.8 \times 10 \text{ Hp} \times 0.7 \text{ eff}) / [120 \text{ ft} + (38 \text{ psi} \times 2.31)] = 0.30 \text{ cfs}$

6 inch pipe conversion: 0.98 cfs maximum capacity (but this would be for pipe coming from the storage tanks)

RECOMMEND:

Domestic 39 homes (39 lots stubbed-in); 0.16 cfs (as permitted, since there was such a large increase in the capacity found from the theoretical, and the amount collected from the well driller)

F. VOLUME CALCULATIONS

1. Volume Calculations Domestic 39 homes:

Limited by the 13,000 gpd per lot condition on the permit.

2. Volume Calculations for Other Uses:

None.

G. NARRATIVE/REMARKS/COMMENTS

Pictures for this field examination were lost when my computer crashed, and IT was unable to retrieve them when my computer was being rebuilt. For this reason, ArcMap Imagery at 1:3,000 is used to demonstrate the location of the POD and POU, along with verbal descriptions from notes taken during the field examination. The place of use consists of 39 lots within Fairway Estates Subdivision, owned presently by 28 different owners. Each lot is stubbed in for domestic use, but it was apparent at the time of the field examination that no homes have yet been built, which was also confirmed using ArcMap 2013 imagery. The POD is located on the 8th hole of the golf course, with the pumphouse being located slightly southeast. The well (ID Tag # A0018547) was drilled 8/24/1994 by Hiddleston and Son, Inc. There is a 12 inch diameter casing that extends 15 inches above the ground, then decreases to 8 inches in diameter, that extends another 7 inches above the ground (22 inches total above ground level). The well is 205 ft deep, with a 10 ft static level; 10 Hp (unknown make/model/discharge size) submersible pump, that discharges into the pumphouse by means of 3 1/2 inch PVC. There is also a pump to waste line, and another line that is plugged off but is there for future use (in the event another well is drilled and tied into the system). The discharge from the well goes through a 3-inch McCrometer flow meter serial # 95-6794-3, which at the time of the field examination showed 334468 gallons X 10 had been pumped from the well. There are two 15,000 gallon storage tanks, that discharge to a buried 6 inch PVC main that runs throughout the subdivision, and supplies water to the hydrants. At the time of the field examination, no demand was on the system, so the well was not kicking on. The pressure shown on the pressure gauge was 38 psi.. On the wall in the pumphouse is an electrical meter.

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	0.160 CFS	*
<u>Totals:</u>		0.160 CFS	

*Limited by the 13,000 gpd per lot condition on the permit.

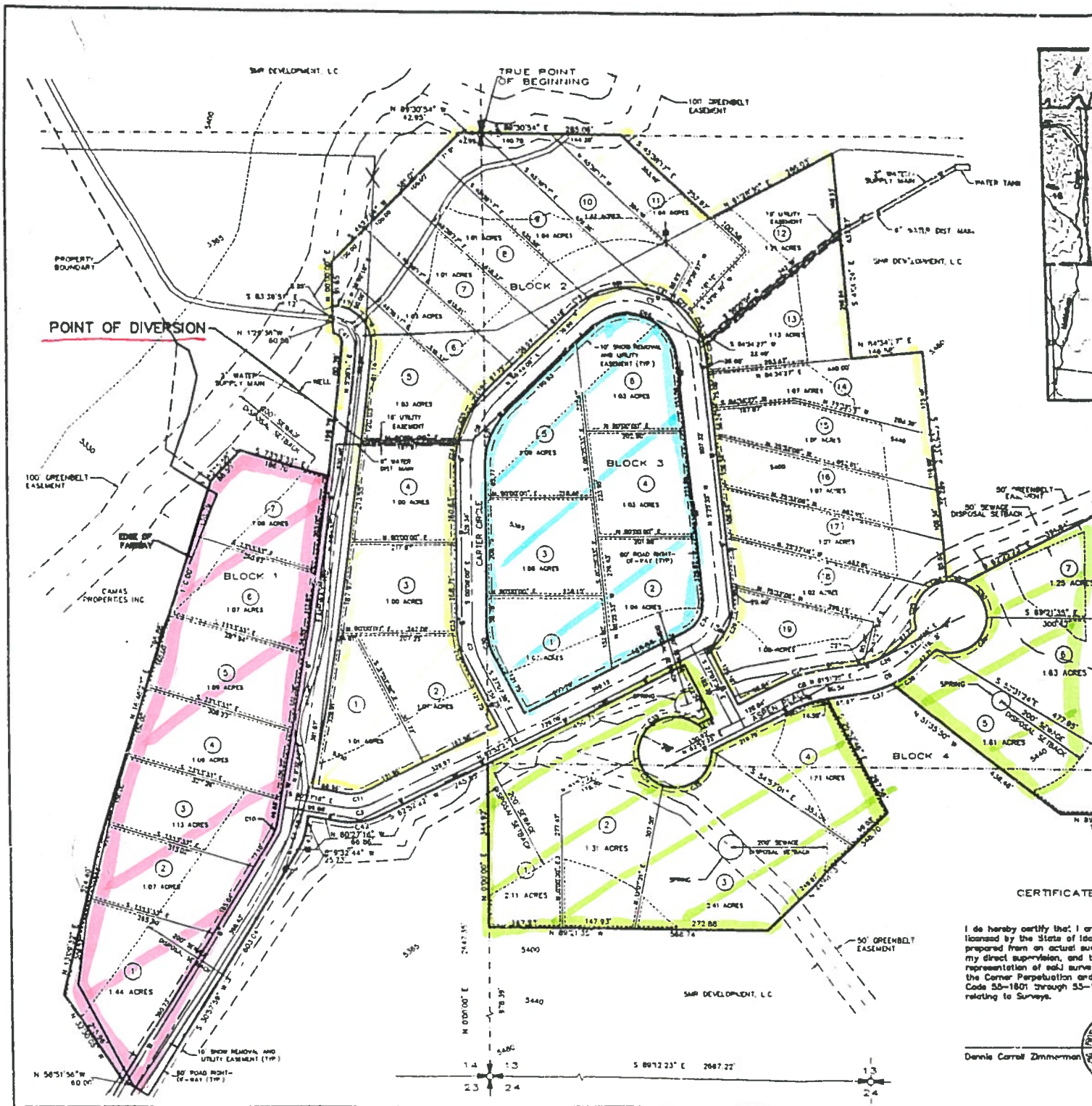
2. Recommended Amendments

☐ 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 Sandy Hernerway Date: 2/27/2014



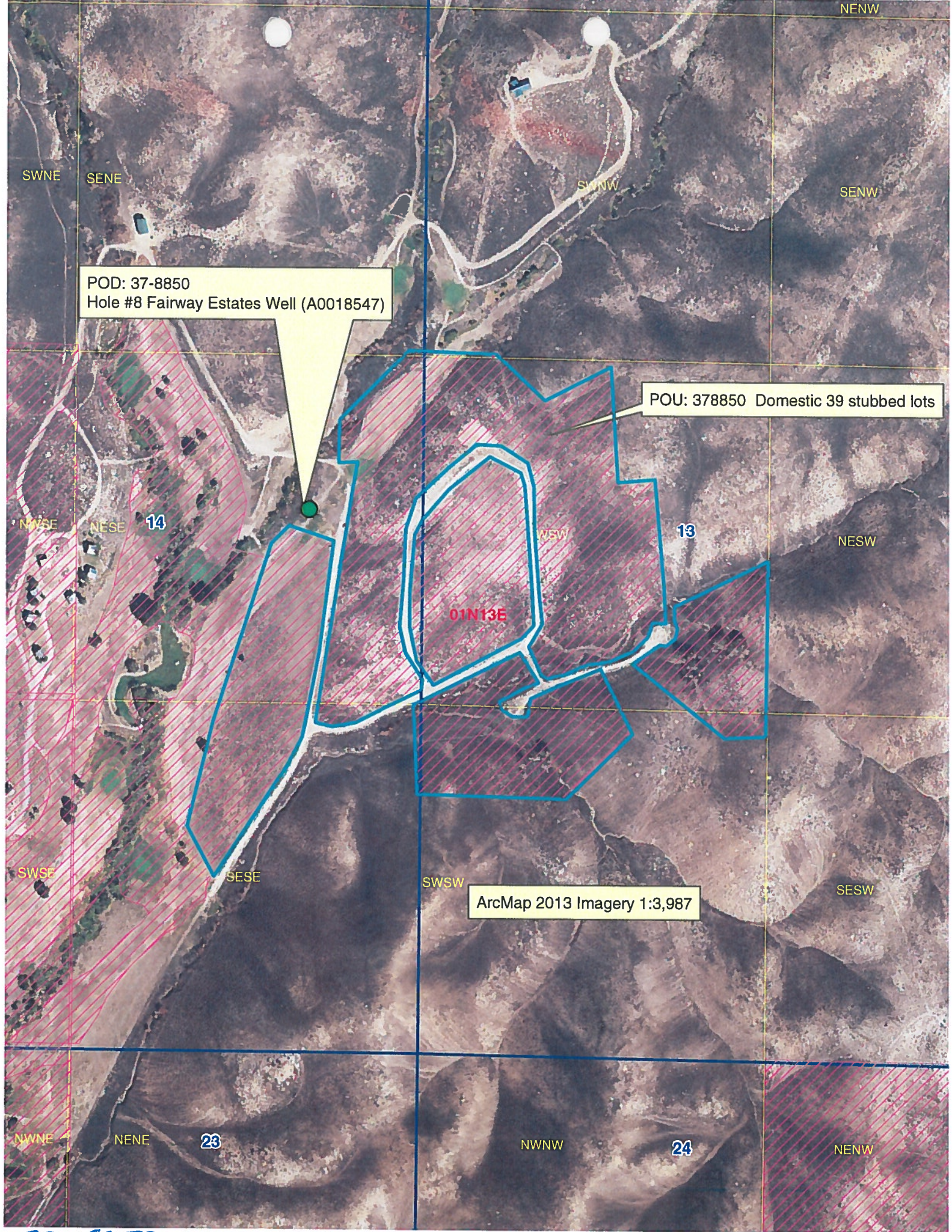
- = Lots 1-7 BIK 1
 - = Lots 1-19 BIK 2
 - = Lots 1-6 BIK 3
 - = Lots 1-7 BIK 4
- }
- Fairway Estates

37-8850

POD: 37-8850
Hole #8 Fairway Estates Well (A0018547)

POU: 378850 Domestic 39 stubbed lots

ArcMap 2013 Imagery 1:3,987



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Hole #8 Fairway Estates Well (A0018547)

POU: 378850 Domestic 39 stubbed lots

ArcMap 2013 Imagery 1:3,987
With Tax Lots Showing

