

Permit No: 22-13155

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

RECEIVED

AUG 23 2004

DEPARTMENT OF
WATER RESOURCES

A. GENERAL INFORMATION

Permit No: 22-13155

Exam Date: 8/16/2004

1. Current Owner: BIG HOLE LLC
C/O SCOTT SHEPHERD
PO BOX 3393
JACKSON WY 83001
(307)733-3209

2. Accompanied by: JIM NORTON

Phone No:

Address:

Relationship to Permit Holder:

3. SOURCE

TRIBUTARY

GROUND WATER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: 22-420C
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 SW1/4SW1/4

Sec. 14, Twp 04N, Rge 45E, B.M.

TETON County

GROUND WATER SW1/4SW1/4

Sec. 14, Twp 04N, Rge 45E, B.M.

TETON County

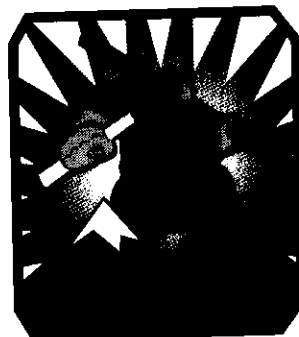
Method of Determination: FE/GPS

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	
04N	45E	14											X						

1896 - Darby Creek water right
gets cut early in the
year.



SUMMIT CREST
CONSTRUCTION, LLC
Design • Develop • Build

JIM NORTON

Ph: 307.733.5881
Cell: 307.413.5881
Fax: 307.733.6880

P.O. Box 3393
Jackson, WY 83001
summitcrest@onewest.com

Method of Determination:

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>
	US Elec	7.5 hp			
	US Elec	40hp			
	US Elec	15 hp			
	US Elec	7.5 hp			

*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>

2. Measurements:

Inter connected pumps
use standard of 0.90 cfs

E. FLOW CALCULATIONS

☐ Additional Computation Sheets Attached

Measured Method:

with the 40hp pump only

$$CFS = \frac{40 \text{ hp} \times 6.16}{\left(\begin{array}{c} 50' \\ 100' \end{array} + 2.31(50) \right)} = \begin{array}{l} 1.48 \text{ CFS at } 50' \\ 1.14 \text{ CFS at } 100' \end{array}$$

↑
psi

F. VOLUME CALCULATIONS**1. Volume Calculations for Irrigation:**

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) =$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 =$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} =$$

2. Volume Calculations for Other Uses:

$$113 \text{ homes} + \text{pump house lawn} = 114 \times 1.2 = 136.8 \text{ AF/A}$$

G. NARRATIVE/REMARKS/COMMENTS

2 well to a pump house with 4 pumps, pressure tanks and control system
 113 home subvision with a pump house and lawn/park.
 40 HP US Electrical motors
 15 HP US Electrical motors
 7.5 HP US Electrical motor
 7.5 HP US Electrical motor
 four motors and pumps interconnected to work when needed.
 114 units X 1.2 AF= 136.8 AF/A

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	0.900 CFS	136.80 AF
<u>Totals:</u>		0.900 CFS	136.80 AF

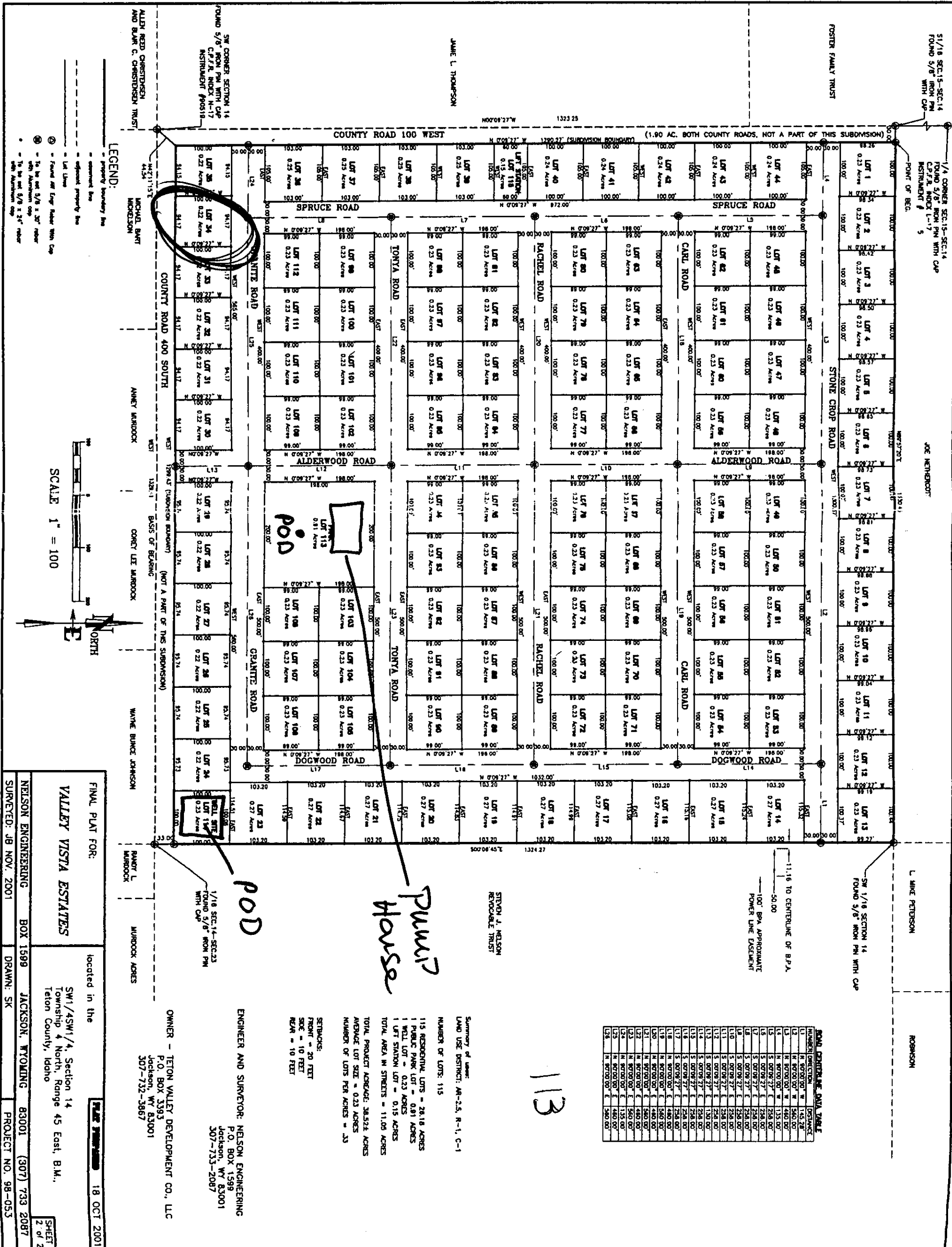
2. Recommended Amendments

☐ 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 DAVE CARLSON Date 8/18/2004
 Reviewer _____ Date _____



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DC 8/2004

pump house 4 pumps

pressure tanks control system.



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POD DC
8/2004
pump
house