

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 85-15735

Exam Date: 4/6/2012

1. Current Owner: DAVID R SMITH
30832 VOLMER RD
LEWISTON ID 83501
(208) 746-6030

And

SUSAN M SMITH
30832 VOLMER RD
LEWISTON ID 83501
(208) 746-6030

2. Accompanied by: in-office exam (IDAPA 37.03.02.35r)

Completed by: Sandy Hemenway, IDWR Sr. Water Resource Agent

3. SOURCETRIBUTARY

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 SYSTEM1. LOCATION OF POINT(S) OF DIVERSION:

GROUND WATER SE1/4SW1/4 Sec. 29, Twp 35N, Rge 05W, B.M. NEZ PERCE County

Method of Determination: ArcMap 2009, and aerial map submitted with the application for permit

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	
35N	05W	29												X					

Method of Determination: ArcMap 2009, and aerial map submitted with the application for permit; Tax Lot Information

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 (Well Driller's Report, included in file as confirmation with description)

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>
D0053943		3	SDQP-540	Franklin	1 1/4 inch schedule 80 PVC

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

D. FLOW MEASUREMENTS

1. Measurements:

Since this is an in-house field exam, no physical measurement was collected by the examiner, but instead the following information was utilized that was obtained from the application for permit, and information in the file itself:

From the Driller's Report: 30 gpm (without stipulating the length of the pump test)

30 gpm X 0.00223 = 0.07 cfs

Theoretical:

The standard for domestic psi, if unknown is 20 psi.

If the lift is unknown, use the static from the well log + 10 ft (320' + 10' = 330')

(3 Hp X 8.8 X 0.7 eff)/[(330' + (20 psi X 2.31))] = 0.05 cfs

RECOMMEND: external use is for 1/2 acre yard/garden

Domestic 1 home internal/external use = 0.04 cfs as permitted

E. VOLUME CALCULATIONS

1. Volume Calculations for Domestic internal/external use:

RECOMMEND: external use is for 1/2 acre yard/garden

IDWRs Standard for Domestic 1 home = 1.2 af

F. NARRATIVE/REMARKS/COMMENTS

The field examination was conducted in-off (IDAPA 37.03.035r) due to adequate information and documents, etc. The well D0053943, was drilled by Nail and Son's Drilling Co. and completed on 9/6/2007. There is an 8 inch casing, it is 455 ft deep, static 320 ft, producing 30 gpm (for an unknown period of time during the pump test). It has a 3 Hp SDQP-540 Franklin pump, with 420 ft of 1 1/4 inch schedule 80 PVC pipe. Use is for Domestic one home, and irrigation of 1/2 acre yard and garden.

Have conditions of permit approval been met? ☒ Yes ☐ No

G. 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	0.040 CFS	1.20 AF
<u>Totals:</u>		0.040 CFS	1.20 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

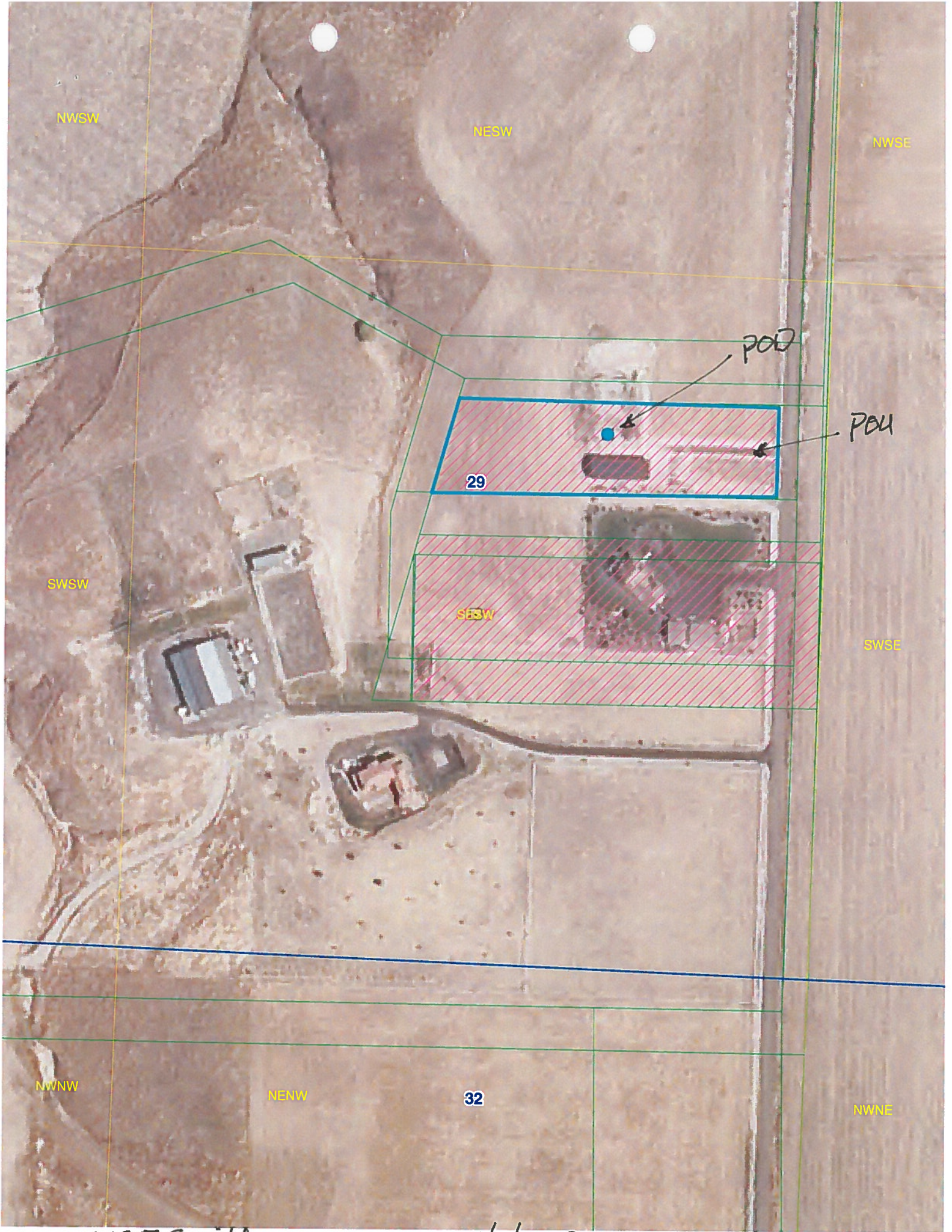
H. AUTHENTICATION

Field Examiner's Name

Sandy Hemenway

Date

4/6/2012



95-15735 Smith

4/6/2012

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