

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 37-8553

Exam Date: 7/16/2007

1. Current Owner: WICK STEP LLC
PO BOX 615
BELLEVUE ID 83333
- AND/OR
- AARON M DE CHEVRIEUX
PO BOX 615
BELLEVUE ID 83313
- AND/OR
- STEPHANIE J EISENBARTH
PO BOX 615
BELLEVUE ID 83313

2. Accompanied by: Aaron M. De Chevrierux
Phone No: 208-761-2919
Address: Same
Relationship to Permit Holder: Owner

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 SYSTEM1. LOCATION OF POINT(S) OF DIVERSION:

GROUND WATER NW1/4NW1/4NE1/4 Sec. 36, Twp 01N, Rge 18E, B.M.
BLAINE County

Method of Determination: GPS 2479245/1353466

2.

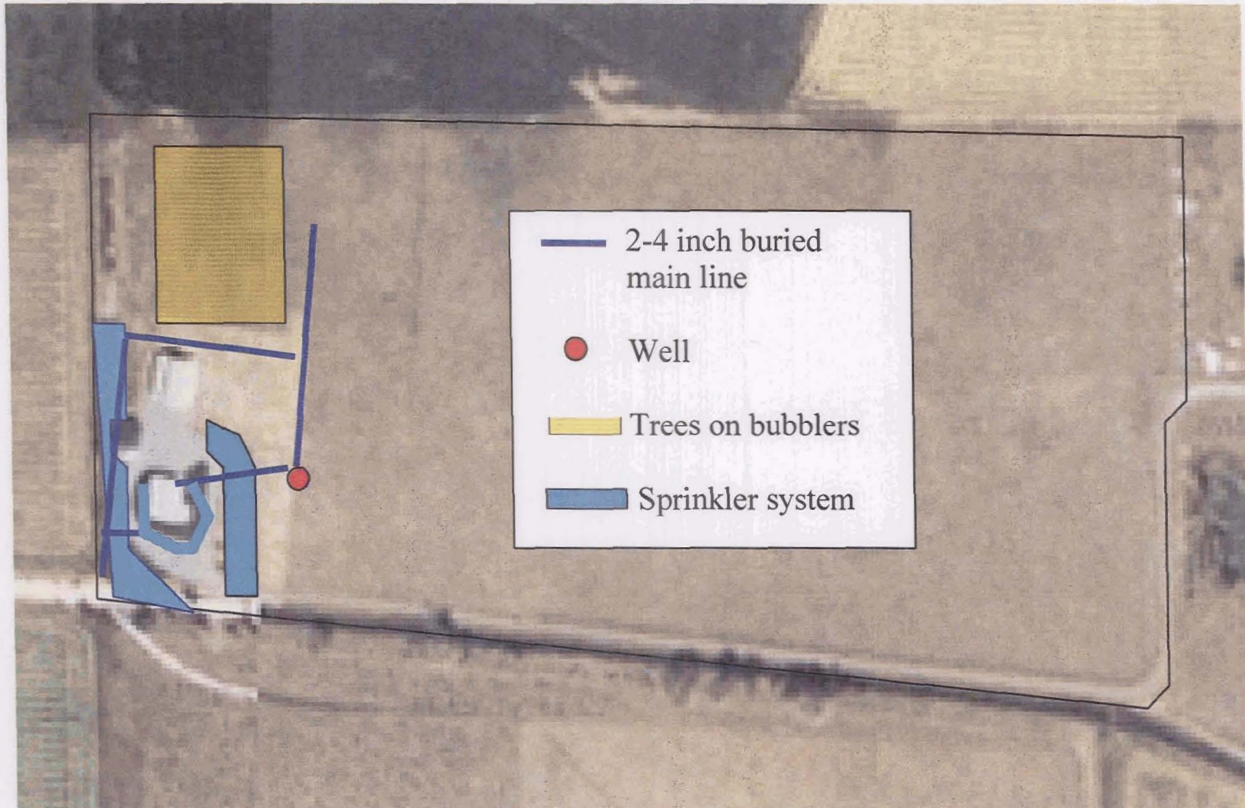
PLACE OF USE: IRRIGATION

Twp	Rge	Sec	NE				NW				SW				SE				
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	Totals
01N	18E	36		3.0															3.0

Total Acres: 3

DOMESTIC same as IRRIGATION

Delivery System Diagram:



Method of Determination:

3. ☒ Delivery System Diagram Attached (Above). 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</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>

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

Well has submersible pump, owner does not have any documentation or knowledge of the pumps make, model, or size.

D. FLOW MEASUREMENTS

Owner has sprinkler system with 3-4 gpm sprinkler heads. Owner demonstrated that one zone of 16 sprinkler heads was able to flow at approximately 50-60 gpm. System capacity is above the 40 gpm allowed by the water right.

E. FLOW CALCULATIONS

____ Additional Computation Sheets Attached

Measured Method:

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 3 \text{ acres} \times 3.5 \text{ af/acre} = \mathbf{10.5 \text{ afa}}$$

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

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

2. Volume Calculations for Other Uses:

$$\text{a. Domestic} = \mathbf{0.6 \text{ afa}}$$

G. NARRATIVE/REMARKS/COMMENTS

The 3 acres of irrigation are part of a 23-acre parcel of land. The well has the capacity to produce approximately 60 gpm, which is well above the allowed diversion rate for this water right. The system has changed slightly since the last change of ownership, however the updated system does not exceed the 3 acres of irrigation. The domestic use is currently attached to a shop that is used as the living quarters until the house can be built.

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>
IRRIGATION	4/15 to 10/31	0.090 CFS	10.50 AF
DOMESTIC	1/01 to 12/31	0.040 CFS	0.60 AF
<u>Totals:</u>		0.090 CFS	11.10 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 NATHAN ERSCKSON Date 7/25/07

Reviewer _____ Date _____

Idaho Department of Water Resources

WR 37-8553



- Right POD
- POU
- Sections
- Blaine taxlots
- Quarter Quarters

300 0 300 600 Feet



Prepared By N. Erickson
On Wednesday, July 25, 2007
2004 Aerial Photography

WR 37-8553

Field Exam 7/16/2007

N. Erickson and B. Walker

Well Head:



Sprinkler System:



Trees on bubbler system:



Temporary living quarters and garage:



60

450

16 SPRINKLER @ 3-4 GPM

2 RUMPS
GHP?

DREF (BULKHEAD)
SYSTEM

SPRINKLER
SYSTEM

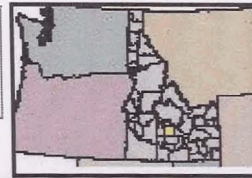


The lat/long you provided was 43° 22.906' N; 114° 15.374' W

Here are the results:

NW quarter of the **NE** quarter of Section **36**, Township **01N**, Range **18E**

IDTM NAD83 coordinates: Easting=2479245; Northing=1353466



Choose the map-display background:

Photo

Topo



Add Layer

☐ Wells

☐ Water Rights

☐ Water Right Permits

☐ Adjudication Claims

☐ Adjudication Recommendations

* Positions of wells/headgates may be based upon the center of a quarter-quarter section; those obtained by GPS or survey are accurate.

GPS LOCATION OF WELL 7/16/07

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCESUSE TYPEWRITER
BALLPOINT PEN

WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water Resources
within 30 days after the completion or abandonment of the well.

1. WELL OWNER

Name Robert BloomfieldAddress Box 746 Ketchum, Id. 83340Water permit no. 37-08553Owner's Permit No. 37-89-S-104

7. WATER LEVEL

Static water level 60 feet below land surface.Flowing? ☐ Yes ☒ No G.P.M. flow _____

Artesian closed-in pressure _____ p.s.i.

Controlled by: ☐ Valve ☐ Cap ☐ PlugTemperature _____ °F. Quality good

Describe artesian or temperature zones below.

2. NATURE OF WORK

- ☒ New well ☐ Deepened ☐ Replacement
☐ Abandoned (describe abandonment procedures such as materials, plug depths, etc. in lithologic log)

8. WELL TEST DATA

☐ Pump ☐ Bailer ☒ Air ☐ Other _____

Discharge G.P.M.

Pumping Level

Hours Pumped

1601401

3. PROPOSED USE

- ☒ Domestic ☒ Irrigation ☐ Test ☐ Municipal
☐ Industrial ☐ Stock ☐ Waste Disposal or Injection
☐ Other _____ (specify type)

9. LITHOLOGIC LOG

Bore Diam.	Depth		Material	V Y
	From	To		
8	0	5	Topsoil	
8	5	12	Gravel	
8	12	64	Sand	
6	64	76	Gravel and sand	2
6	76	79	Gravel and clay	2
6	79	128	Gravel	2
6	128	134	Gravel and clay	2
6	134	143	Gravel	2

4. METHOD DRILLED

- ☒ Rotary ☐ Air ☐ Hydraulic ☐ Reverse rotary
☐ Cable ☐ Dug ☐ Other _____

5. WELL CONSTRUCTION

Casing schedule: ☐ Steel ☒ Concrete ☐ Other _____

Thickness	Diameter	From	To
<u>.250</u> inches	<u>8</u> inches +	<u>1</u> feet	<u>141</u> feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

Was casing drive shoe used? ☒ Yes ☐ NoWas a packer or seal used? ☐ Yes ☒ NoPerforated? ☐ Yes ☒ NoHow perforated? ☐ Factory ☐ Knife ☐ Torch

Size of perforation _____ inches by _____ inches

Number	From	To
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet

Well screen installed? ☐ Yes ☒ No

Manufacturer's name _____

Type _____ Model No. _____

Diameter _____ Slot size _____ Set from _____ feet to _____ feet

Diameter _____ Slot size _____ Set from _____ feet to _____ feet

Gravel packed? ☐ Yes ☒ No ☐ Size of gravel _____

Placed from _____ feet to _____ feet

Surface seal depth 20 Material used in seal: ☐ Cement grout☒ Bentonite ☐ Puddling clay ☐ _____Sealing procedure used: ☐ Slurry pit ☐ Temp. surface casing☒ Overbore to seal depth- Method of joining casing: ☐ Threaded ☒ Welded ☐ Solvent

RECEIVED

JUL 20 1990

Department of Water Resources
Southern Region Office