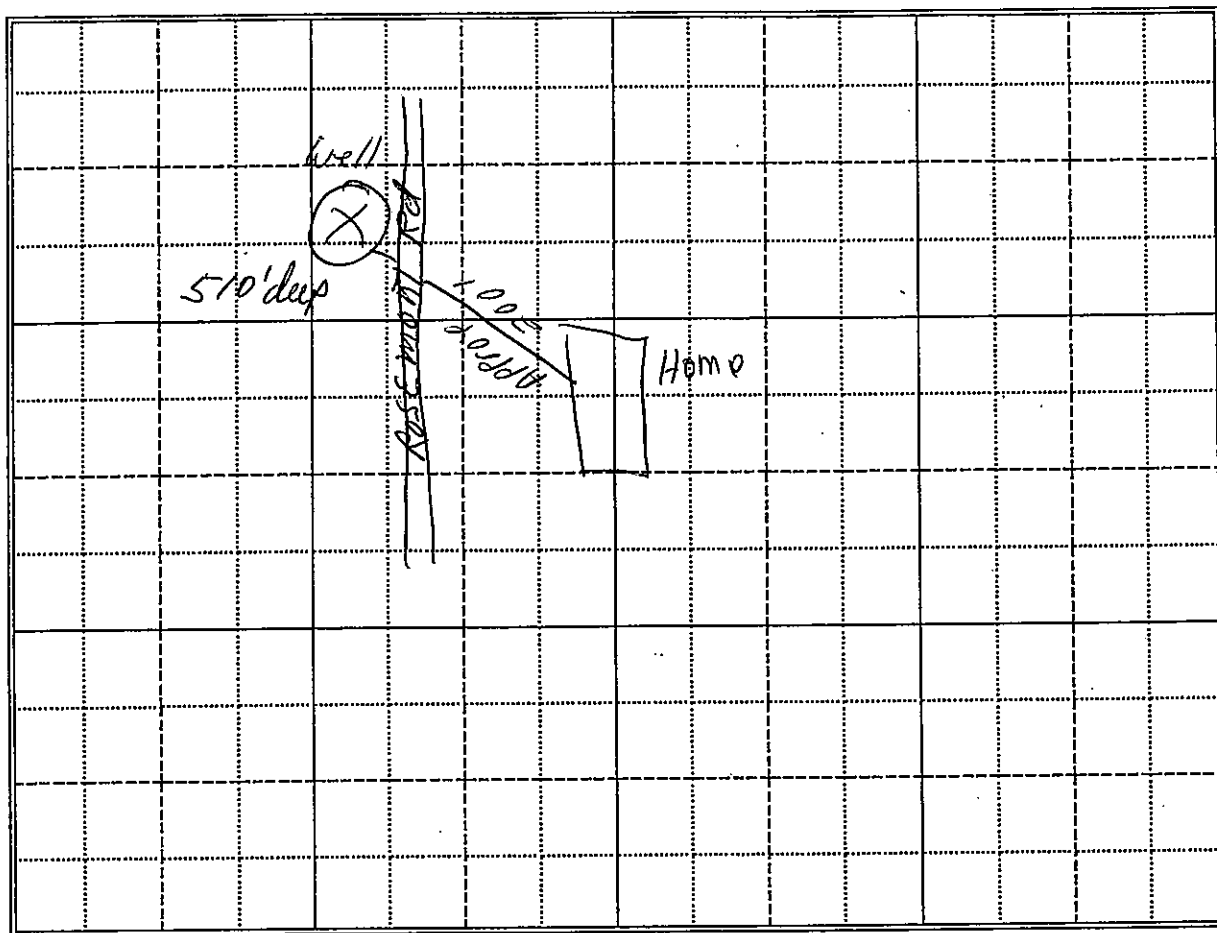


[illegible]

3. Delivery System Diagram: Indicate all major components and distances between components. Indicate weir size/ditch size/pipe i.d. as applicable.



Scale: 1" = _____

____ Copy of USGS Quadrangle Attached Showing location(s) of point(s) of diversion and place(s) of use (required).

____ Aerial Photo Attached (required for irrigation of 10+ acres)

____ Photo of Diversion and System Attached

4.

Well or Diversion Identification No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
	Franklin	5		Sub	1 1/2"

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

D. FLOW MEASUREMENTS

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date

2. Measurements: _____

This image shows a single sheet of white paper with horizontal blue or grey ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

22

F. FLOW CALCULATIONS

Measured Method:

Additional Computation Sheets Attached

5 gal bucket

$$5 \text{ gal in } 15 \text{ sec} = \frac{20 \text{ gpm} \times 0.133681}{60} = .04 \text{ cfs}$$

G. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = \underline{\hspace{2cm}}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 = \underline{\hspace{2cm}}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = \underline{\hspace{2cm}}$$

2. Volume Calculations for Other Uses:

H. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use	Period of Use		Rate of Diversion Q (cfs)	Annual Volume V (afa)
	From	To		
Domestic	01-01	12-31	.04	1.2
Totals:			.04	1.2

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 Wayne Baldwin Date 9-19-09

Reviewer [Signature] Date 9-23-09

SEAL

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

Office Use Only

Well ID No. _____

Inspected by _____

Twp _____ Rge _____ Sec _____

1/4 1/4 1/4

Lat: : : Long: : :

1. WELL TAG NO. D 0033559

DRILLING PERMIT NO. 811446

Water Right or Injection Well No. _____

2. OWNER:

Name George Durrin

Address 3200 N. Sheep Springs Rd.

City Athol State ID Zip 83801

3. LOCATION OF WELL by legal description:

You must provide address or Lot, Blk, Sub. or Directions to well.

Twp. 53 North ☒ or South ☐
Rge. 3 East ☐ or West ☒
Sec. 5 SW 1/4 SE 1/4
Gov't Lot _____ County Kootenai

Lat: 47 : 57:748 Long: 116: 43 : 644 WGS 84

Address of Well Site Rosebud past Sheep Springs

City Athol

(Give at least name of road + Distance to Road or Landmark)

Lt. _____ Blk. _____ Sub. Name _____

4. USE:

☒ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other

5. TYPE OF WORK check all that apply

(Replacement etc.)

☒ New Well ☐ Modify ☐ Abandonment ☐ Other

6. DRILL METHOD:

☒ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other

7. SEALING PROCEDURES

Seal Material	From	To	Weight / Volume	Seal Placement Method
Bentonite	0	18	250#	dry granular

Was drive shoe used? ☐ Y ☒ N Shoe Depth(s) _____Was drive shoe seal tested? ☐ Y ☐ N How? _____

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
6"	+2	523	250	Steel	☒	☐	☒	☐

Length of Headpipe _____ Length of Tailpipe _____

Packer ☐ Y ☐ N Type _____

9. PERFORATIONS/SCREENS PACKER TYPE

Perforation Method _____

Screen Type & Method of Installation _____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
						☐	☐
						☐	☐
						☐	☐

10. FILTER PACK

Filter Material	From	To	Weight / Volume	Placement Method

11. STATIC WATER LEVEL OR ARTESIAN PRESSURE:

460 ft. below ground Artesian pressure _____ lb.

Depth flow encountered _____ ft. Describe access port or control devices: _____

12. WELL TESTS:

☐ Pump ☐ Bailor ☒ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time
50+			5 hrs

Water Temp. _____

Bottom hole temp. _____

Water Quality test or comments: cold & Clear

Depth first Water Encounter 5'

13. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Y
10	0	18	Gravel, boulders	
8	18	63	Gravel, cobbles	
	63	121	Gravel, fine	
	121	153	Gravel, coarse	
	153	171	Cobbles	
	171	173	Boulder	
	173	188	Gravel, fine	
	188	219	Gravel, with fines	
	219	240	Cobbles	
	240	278	Gravel, coarse	
	278	280	Boulder	
	280	295	Cobbles, very coarse	
	295	310	Gravel, medium w/fines	
	310	340	Gravel, fine	
	340	378	Gravel, medium	
	378	424	Gravel, coarse	
	424	448	Gravel, fine w/sand	
	448	465	Gravel, fine w/brown silt	
	465	480	Gravel, medium, silt	
	480	498	Gravel, fine w/sand, silt	
	498	516	Sand, coarse, w/sand	
	516	523	Gravel, fine	x

RECEIVED

APR - 7 - 04

IDWR North

Completed Depth 523'

(Measurable)

Date: Started 3/12/04

Completed 3/13/04

14. DRILLER'S CERTIFICATION

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Company Name McCarty Drilling & Pump Inc Firm No. 586

Principal Driller _____ Date 3-17-04

and Driller or Operator II _____ Date _____

Operator I _____ Date 3-17-04

Principal Driller and Rig Operator Required.

53N 3W 5





pod.JPG



domestic.JPG