

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 95-11431

Exam Date: 8/26/2014

1. Current Owner: PINE RIDGE DEVELOPMENT LLC
25194 N LANTERN HILL RD
RATHDRUM ID 83858
(208) 687-6807
2. Accompanied by: DAVID
Relationship to Permit Holder: VICE PRESIDENT & TREASURER

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 SE1/4NE1/4 Sec. 31, Twp 53N, Rge 04W, B.M. KOOTENAI County

Method of Determination: GPS and MAPS

2.

PLACE OF USE: FIRE PROTECTION

Twp	Rge	Sec	NE				NW				SW				SE				Totals
53N	04W	31	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	
			X			X													

PLACE OF USE: DOMESTIC

Twp	Rge	Sec	NE				NW				SW				SE				Totals
53N	04W	31	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	
			X			X													

PLACE OF USE: IRRIGATION

Twp	Rge	Sec	NE				NW				SW				SE				Totals
53N	04W	31	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	
			4.0			4.0													8.0

Total Acres: 8

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</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>
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D0017826

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>
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MASTER METER

2. Measurements: 86GPM

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 8\text{AC} \times 3\text{AF} = 24\text{AF}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.16 \times 246 \times 1.9835 = 78\text{AF}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 24\text{AF}$$

2. Volume Calculations for Other Uses: 16 HOMES X 0.6AF = 9.6AF

G. NARRATIVE/REMARKS/COMMENTS

16 HOMES, 1/2 ACRE OF IRRIGATION EACH, TOTAL OF 8 ACRES. 1 FIRE HYDRANT, 30K STORAGE TANK

Have conditions of permit approval been met? ☒ Yes ☐ No**H. RECOMMENDATIONS**

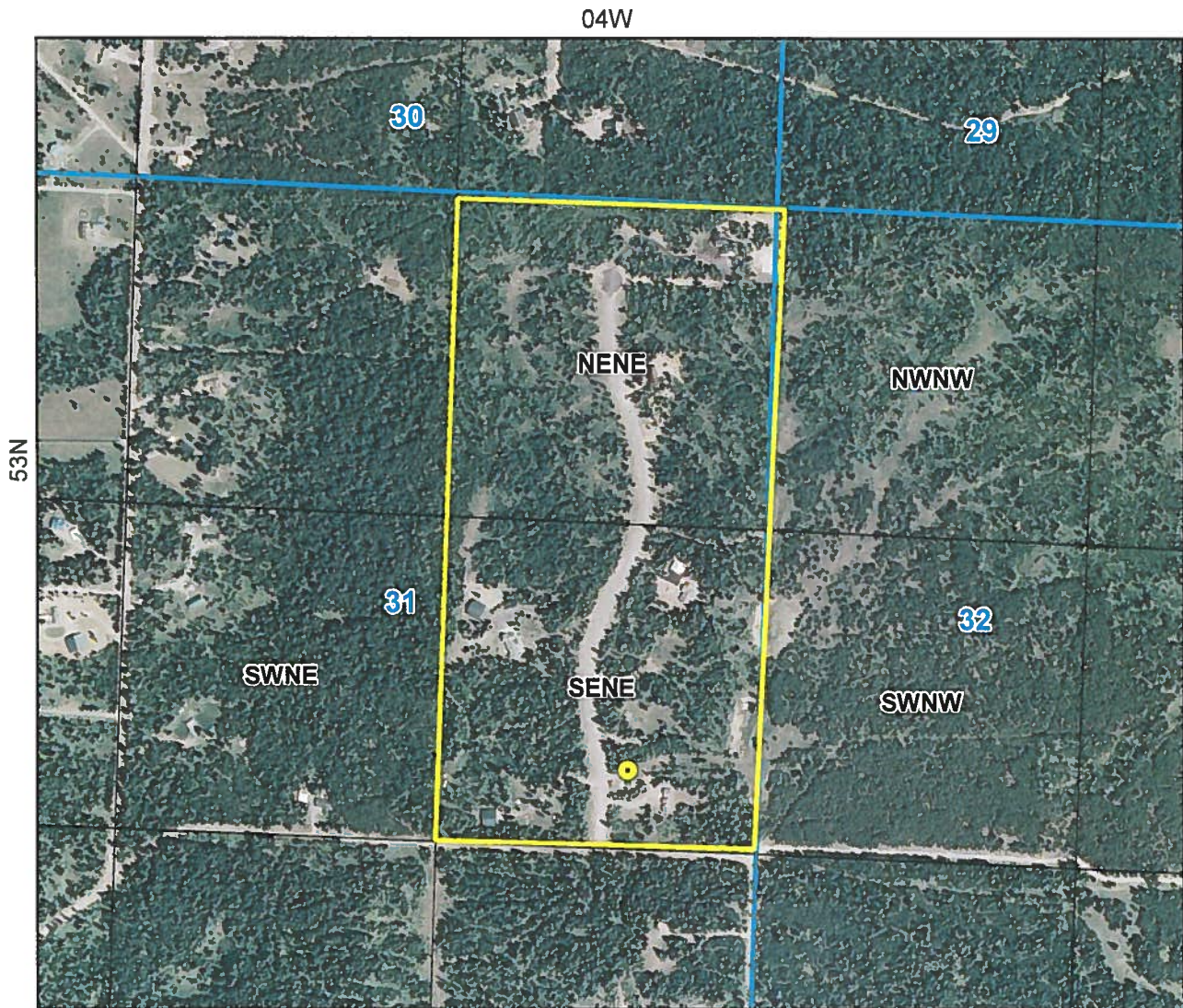
1. Recommended Amounts

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
FIRE PROTECTION	01/01 to 12/31	0.190 CFS	
DOMESTIC	01/01 to 12/31	0.190 CFS	9.60 AF
IRRIGATION	03/15 to 11/15	0.160 CFS	24.00 AF
<u>Totals:</u>		0.190 CFS	33.60 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 Eric J. [Signature] Date 12-12-2014Reviewer Ada [Signature] Date 12-12-2014

State of Idaho
Department of Water Resources
Water Right License
95-11431



-  Point of Diversion
-  Place Of Use Boundary
-  Townships
-  PLS Sections
-  Quarter Quarters

0 0.075 0.15 0.3 Miles



OCT 05 2001

IDWR/North

IDAHO DEPARTMENT OF WATER RESOURCES

WELL DRILLER'S REPORT

Office Use Only			
Inspected by _____			
Twp _____	Rge _____	Sec _____	
1/4 _____	1/4 _____	1/4 _____	
Lat: _____		Long: _____	
☒ Air ☐ Flowing Artesian			

1. WELL TAG NO. D 0017826

DRILLING PERMIT NO. _____

Other IDWR No. 771168

2. OWNER:

Name Pine Ridge Development LLC

Address P.O. Box 572

City Athol State ID Zip 83801

3. LOCATION OF WELL by legal description:

Sketch map location must agree with written location.

N	
W	X
E	
S	

Twp. 53 North ☒ or South ☐
Rge. 4 East ☐ or West ☒
Sec. 31 1/4 SE 1/4 NW 1/4
Gov't Lot _____ County Kootenai
Lat: _____ Long: _____

Address of Well Site Wendler Loop Rd.

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

City Twin Lakes

L.I. _____ 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/FILTER PACK			AMOUNT Sacks or Pounds	METHOD
Material	From	To		
Bentonite	0	32	650#	Overbore

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

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
6"	+2	423	280	Steel	☒	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe _____ Length of Tailpipe _____

9. PERFORATIONS/SCREENS

Perforations

Method

Screens

Screen Type

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

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:

373 ft. below ground Artesian pressure _____ lb.

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

11. WELL TESTS:

☒ Pump ☐ Bailor

Yield gal./min.	Drawdown	Pumping Level	Time
50+	Air		4 hrs
37.5	Pump	373'	8 hrs

Water Temp. _____

Bottom hole temp. _____

Water Quality test or comments: _____

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Depth first Water Encounter 415'

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water
12	0	2	Silt, brown, gravel, coarse	X
	2	9	Gravel, cobbles, silt	X
	9	18	Gravel, cobbles	X
8	18	19	Gravel, boulders, silt	X
	19	20	Boulder	X
	20	38	Silt, sand, gravel	X
	38	64	Silt, sand	X
	64	89	Gravel, sand	X
	89	116	Silt, sand, gravel	X
	116	143	Gravel, sand, silt	X
	143	180	Sand, silt	X
	180	216	Gravel, cobbles	X
	216	218	Boulder	X
	218	265	Gravel, sand	X
	265	291	Sand, gravel	X
	291	315	Cobbles, gravel	X
	315	326	Silt, gravel, sand	X
	326	345	Sand, gravel	X
	345	348	Silt, brown	X
	348	365	Gravel, medium	X
	365	367	Silt, orange	X
	367	369	Gravel, silt	X
	369	380	Gravel, sand	X
	380	383	Gravel, fine	X
	383	390	Gravel, fine, sand, coarse	X
	390	395	Sand, coarse	X
	395	403	Sand, medium, 30 slot	X
	403	405	Sand, medium, gravel, fine	X
	405	415	Gravel, sand	X
	415	418	Gravel, clean	X
	418	420	Gravel, angular, medium, clean	X
	420	423	Gravel, angular, medium, clean	X
			developed w/air 1 hour	

Completed Depth 423'

(Measurable)

Date: Started 09/26/01

Completed 09/28/01

13. 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

Firm Official _____ Date 10/3/01

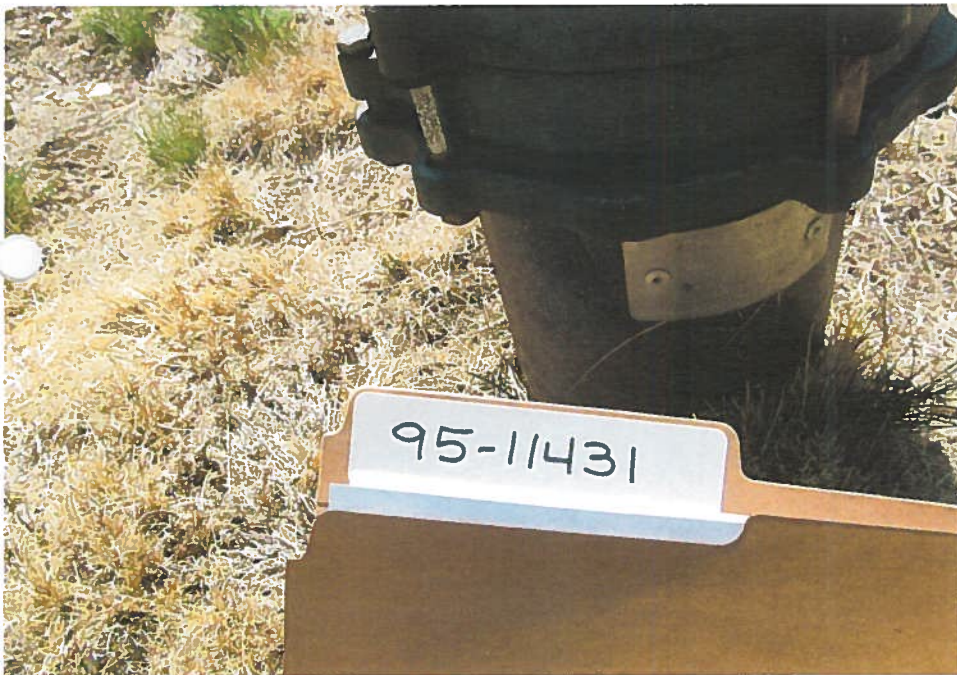
and

Driller or Operator _____ Date _____

(Sign once if Firm Official & Operator)

53A) 4u) 31

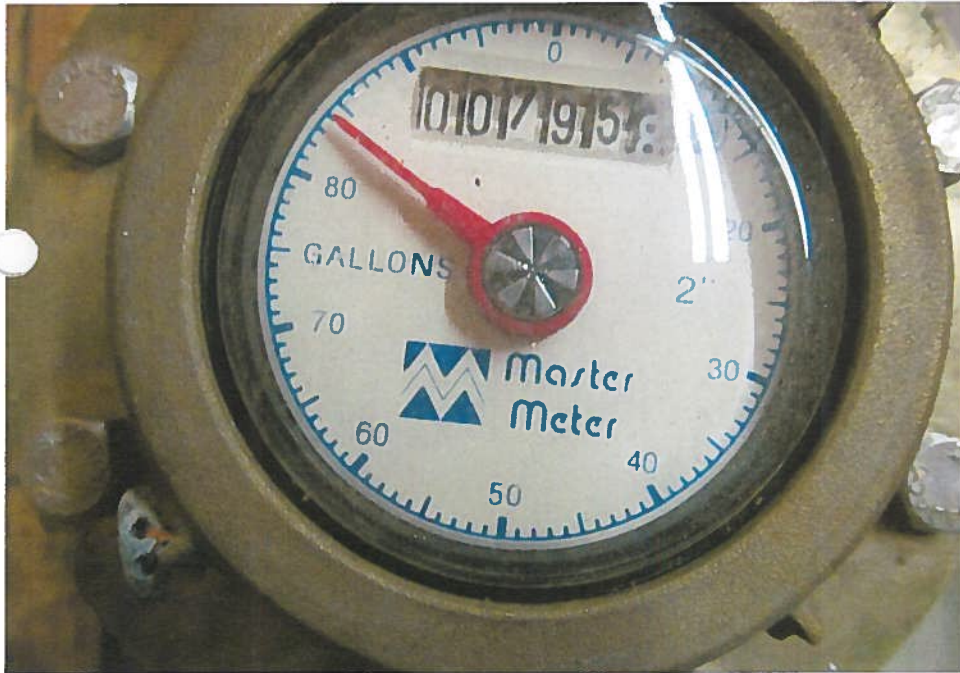
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