

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 96-9364

Exam Date: 8/20/2014

1. Current Owner: THE RANCH AT RIVERBEND LLC
C/O BRENT LOCKHART
PO BOX 3431
COEUR D ALENE ID 83816
(208)661-4834
2. Accompanied by: N/A

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 SYSTEM**1. LOCATION OF POINT(S) OF DIVERSION:**

GROUND WATER NE1/4SE1/4 Sec. 29, Twp 56N, Rge 03W, B.M. BONNER County

Method of Determination: GPS and maps. POD location at 48° 10.198, 116° 43.198

2.

PLACE OF USE: MUNICIPAL

Twp Rge Sec	NE				NW				SW				SE				Totals
	<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>	
56N 03W 4	X																
56N 03W 28						X			X								
56N 03W 29			X										X	X			
			L 3											L 4			

Method of Determination: GPS, aerial photography and maps.

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>
D0051300		10 HP			

*Code to correspond with No. on map 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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N/A

2. Measurements:

E. FLOW CALCULATIONS

☐ Additional Computation Sheets Attached

Measured Method: UNABLE TO PERFORM FLOW TEST. NO PROPER SPACE TO ATTACH ULTRASONIC FLOW METER. THEORETICAL PUMPING EQUATION ATTACHED. 0.20 CFS OR 89 GPM.

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{IR} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) =$$

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

$$V = \text{Smaller of } V_{IR} \text{ and } V_{DR} =$$

2. Volume Calculations for Other Uses: 20 HOMES X 1.2 AF = 24 AF

G. NARRATIVE/REMARKS/COMMENTS

MUNICIPAL USE IS FOR 20 LOTS WITH 1.2 AF PER LOT FOR A TOTAL OF 24 AF. LOTS WERE STUBBED OUT WITH ALL CONNECTIONS. THEORETICAL PUMPING EQUATION SHOWS DIVERSION RATE OF 0.20 CFS OR 89 GPM. MUNICIPAL WATER RIGHT WILL BE ISSUED FOR 0.20 CFS AND TOTAL ANNUAL VOLUME OF 24 AF.

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>
MUNICIPAL	01/01 to 12/31	0.200 CFS	24.00 AF
<u>Totals:</u>		0.200 CFS	24.00 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  Date 6-2-2015

Reviewer Adam Fickel Date 6-2-2015

THEORETICAL PUMPING EQUATION FOR WATER RIGHT 96-9364

PUMP EQUATIONS WATER RIGHT						
No.			96-9364			
		HP	H in feet	Efficiency as a decimal	Pumping lift in feet	System pressure in PSI
Q =	HP*8.8*Eff/ H	10	355.272 1	0.8	235	52
Q = 0.198 cfs 89.1 gpm						

Site: The Ranch at Riverbend, Bonner County, Idaho
Computations By: PMF
Revision Date: 8/9/11

Form 238-7
7/98
Starship Consulting and
Management Services

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	:

1. WELL TAG NO. 00051300
Drilling Permit No: 843249
Other IDWR No. 96-9224
2. OWNER The Ranch at Riverbend LLC Well Number: 1254
Name The Ranch at Riverbend LLC
Address 708 Superior St.
City Sandpoint State ID Zip 83864
3. LOCATION OF WELL by legal description
sketch map location must agree with written location

Twp. <u>56N</u> ☒ North or ☐ South	
Rge. <u>03W</u> ☐ East or ☒ West	
Sec. <u>29</u> <u>1/4</u> SE <u>1/4</u> SE <u>1/4</u>	
Gov't Lot	County <u>KOOTENAI</u>
Lat	Long
Address of Well Site <u>River Ranch Dr./Dufort Rd</u> City <u>Coeur D'Alene</u>	
(Give at least name of road - Distance to Road or Landmark)	
Li. <u>10</u>	Blk. <u>2</u> 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	METHOD	
Material	From	To	Remarks or Remarks
BENTONITE	0	60	700/165
			Commercial / Overbore

Was drive shoe used? ☒ Y ☐ N Shoe Depth(s) 231
Was drive shoe seal tested? ☐ Y ☒ N How?

8. CASING/LINER:			
Diameter	From	To	Gauge
8	+2	.231	.322
			Steel

Length of Headpipe 5 Length of Tailpipe 2

9. PERFORATIONS/SCREENS

Perforations		Method	
☒ Screens		Screen Type <u>Stainless Steel</u>	
From	To	Slot Size	Number
-232	252	.40	20
			7
			SS

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
200 ft. below ground Artesian pressure lb.
Depth flow encounters 260 ft. Describe access port or control devices:
56N 3W 29

11. WELL TESTS:

☐ Pump ☐ Bailor ☒ Air ☐ Flowing Artesian
Yield gal/min. Drawdown Pumping Level Time
100 3 hr
Water Temp. Cold Bottom Hole Temp Cold
Water Quality test or comments: Clear
Depth first Water encountered 200

12. LITHOLOGIC LOG:(Describe repairs or abandonment)

Depth	From	To	Remarks: Lithology, Water Quality, Temperature	Water
12	0	3	Top Soil	☒
12	3	60	Gray Silty Clay	☒
8	60	200	Gray Wet Silty Clay	☒
8	200	260	Sand w/ 3/4" Gravel	☒

RECEIVED
DEC 07 2006
IDWR/North

RECEIVED
JAN 29 2007
IDWR/North

Completed Depth 252 (Measurable)
Date Started 11/13/2006 Completed 11/17/2006

13. DRILLER'S CERTIFICATION

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

Firm Name H2O Well Service, Inc. Firm No. 448
Firm Official Jim McLeslie Date 11-30-06
and
Supervisor or Operator Jim McLeslie Date 11-18-06
JIM MCLESLIE (Sign Once if Firm Official and Operator)

The Ranch At Riverbend Llc

Water Right License

96-9364

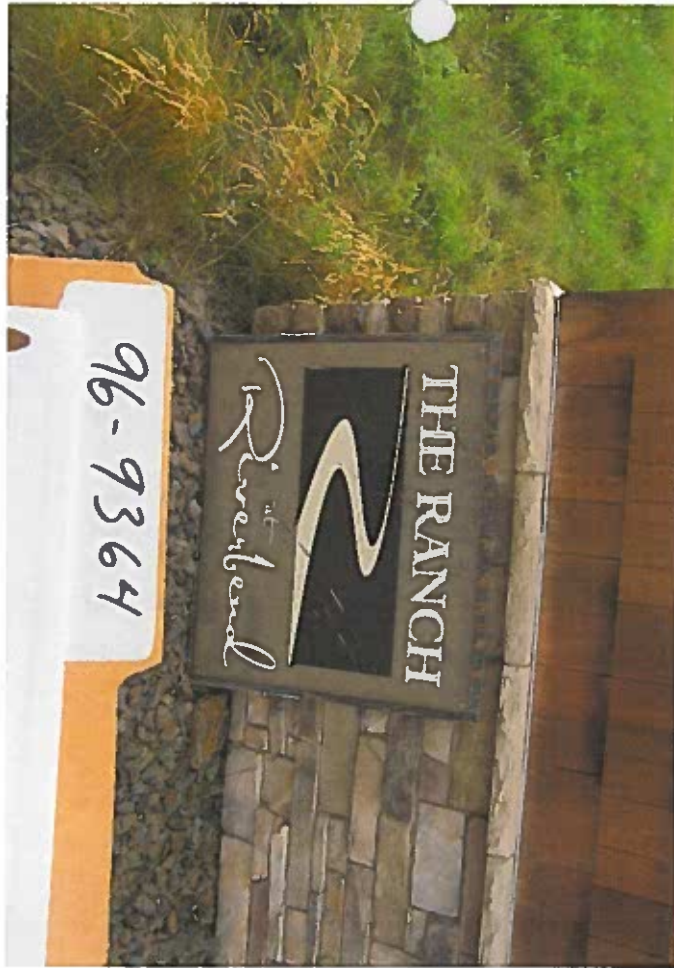
03W



- Water Service Area Boundary
- Townships
- PLS Sections
- Quarter Quarters

0 0.075 0.15 0.3 Miles

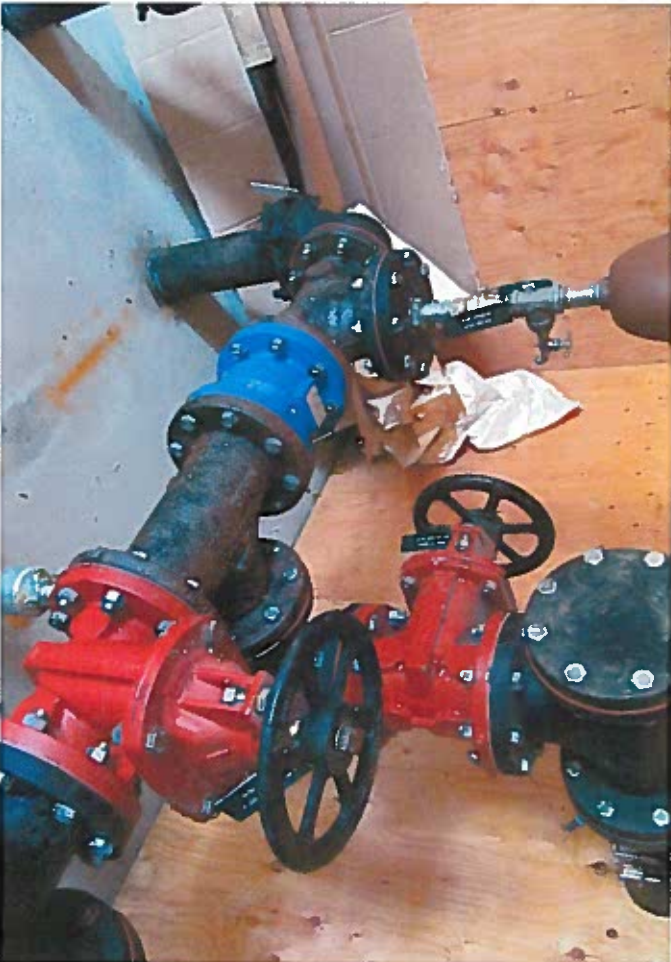




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