

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 95-10022

Exam Date: 5/13/2014

1. Current Owner: MORGAN ESTATES WATER ASSN INC
26368 N MORGAN PINE TRAIL
ATHOL ID 83801
(208)6591899
2. Accompanied by: Janette L. Jerauld

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 NE1/4SW1/4 Sec. 30, Twp 53N, Rge 03W, B.M. KOOTENAI County

Method of Determination: GPS and Maps. N 47° 54' 676, W116° 45' 369"

2.

PLACE OF USE: IRRIGATION

Twp Rge Sec	NE				NW				SW				SE				Totals
	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
53N 03W 30							4.0	4.0				1.0					9.0

Total Acres: 9

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	
53N 03W 30							X	X				X					

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 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>
D0039905	Franklin	10			Site Tag A0003243

aerial photo

D. FLOW MEASUREMENTS

1.

<u>Measurement Equipment</u>	<u>Type</u>	<u>Make</u>	<u>Model No.</u>	<u>Serial No.</u>	<u>Size</u>	<u>Calib. Date</u>
Fuji	Ultrasonic Flowmeter		S1011	7K0079TB		3/2/2014

2. Measurements: Flow measurement 54 GPM

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 9 \times 3 = 27 \text{ AF}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.12 \times 214 \times 1.9835 = 51 \text{ AF}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 27 \text{ AF}$$

2. Volume Calculations for Other Uses: 9 homes X 0.6AF per home = 5.4AF

G. NARRATIVE/REMARKS/COMMENTS

9 homes served under domestic. Irrigation of lawn and garden and for fire protection.

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	04/01 to 10/31	0.120 CFS	27.00 AF
DOMESTIC	01/01 to 12/31	0.120 CFS	5.40 AF
<u>Totals:</u>		0.120 CFS	32.40 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. Davis Date 11-19-14Reviewer Adam Frederick Date 11-19-14

WELL DRILLER'S REPORT

Office Use Only			
Inspected by			
Twp	Rge	Sec	
1/4	1/4	1/4	
Lat:	:	Long:	:

WELL TAG NO. D0039905

/ing Permit No. 829082

Other IDWR No. 96-9211

2. OWNER

Well Number:

Name Morgan Estates Water Assn c/o Dear 908

Address PO Box 1289

City Rathdrum State ID Zip 83858

3. LOCATION OF WELL by legal description

sketch map location must agree with written location

N		Twp. 53 ☒ North or ☐ South	
W		Rge. 4 ☐ East or ☒ West	
E		Sec. 30 SW 1/4 SW 1/4 1/4	
S		Gov't Lot County	
		Lat: : : Long: : :	

Address of Well Site Morgan Pine Trail
City Rathdrum

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

Lt. Blk. Sub. Name Morgan Estates

4. USE:

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

5. TYPE OF WORK check all that apply (Replacement, etc.)

☒ New Well ☐ Modify ☐ Abandonment ☐ Other

DRILL METHOD

☒ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other

7. SEALING PROCEDURES

SEAL/FILTER PACK			AMOUNT	METHOD
Material	From	To	Sacks or Pounds	
BENTONITE	0	60	100 gal	Slurry
BENTONITE	0	60	500lbs	Dry Pour

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

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
8	+2	490	.322	Steel	☒	☐	☒	☐

Length of Headpipe 5 ft Length of Tailpipe 3 ft

9. PERFORATIONS/SCREENS

☐ Perforations Method☒ Screens Screen Type Stainless Steel

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
490	500	35		8	Steel	☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:

408 ft. below ground Artesian pressure lb.

Depth flow encountered 508 ft. Describe access port or

control devices: Welded Cap

11. WELL TESTS:

☐ Pump	☐ Bailer	☒ Air	☐ Flowing Artesian
Yield gal./min.	Drawdown	Pumping Level	Time
50+		500	2.5hrs

Water Temp. Cold Bottom Hole Temp Cold

Water Quality test or comments: Clear

Depth first Water encountered 408

12. LITHOLOGIC LOG:(Describe repairs or abandonment)

Bore Diam	From	To	Remarks: Lithology, Water Quality, Temperature	Water	
				Y	N
12	0	53	Top Soil Gravel w/ cobbles	☐	☒
12	53	60	Boulders & Cobbles	☐	☒
10	60	72	Boulders & Cobbles	☐	☒
10	72	380	Sand & Gravel 3/4 minus	☐	☒
10	380	410	Course Sand	☒	☐
10	410	416	Boulder	☒	☐
10	416	508	Course Sand	☒	☐

Completed Depth 506 (Measurable)
Date: Started 2/3/2005 Completed 2/15/2005

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 Date 4-4-05

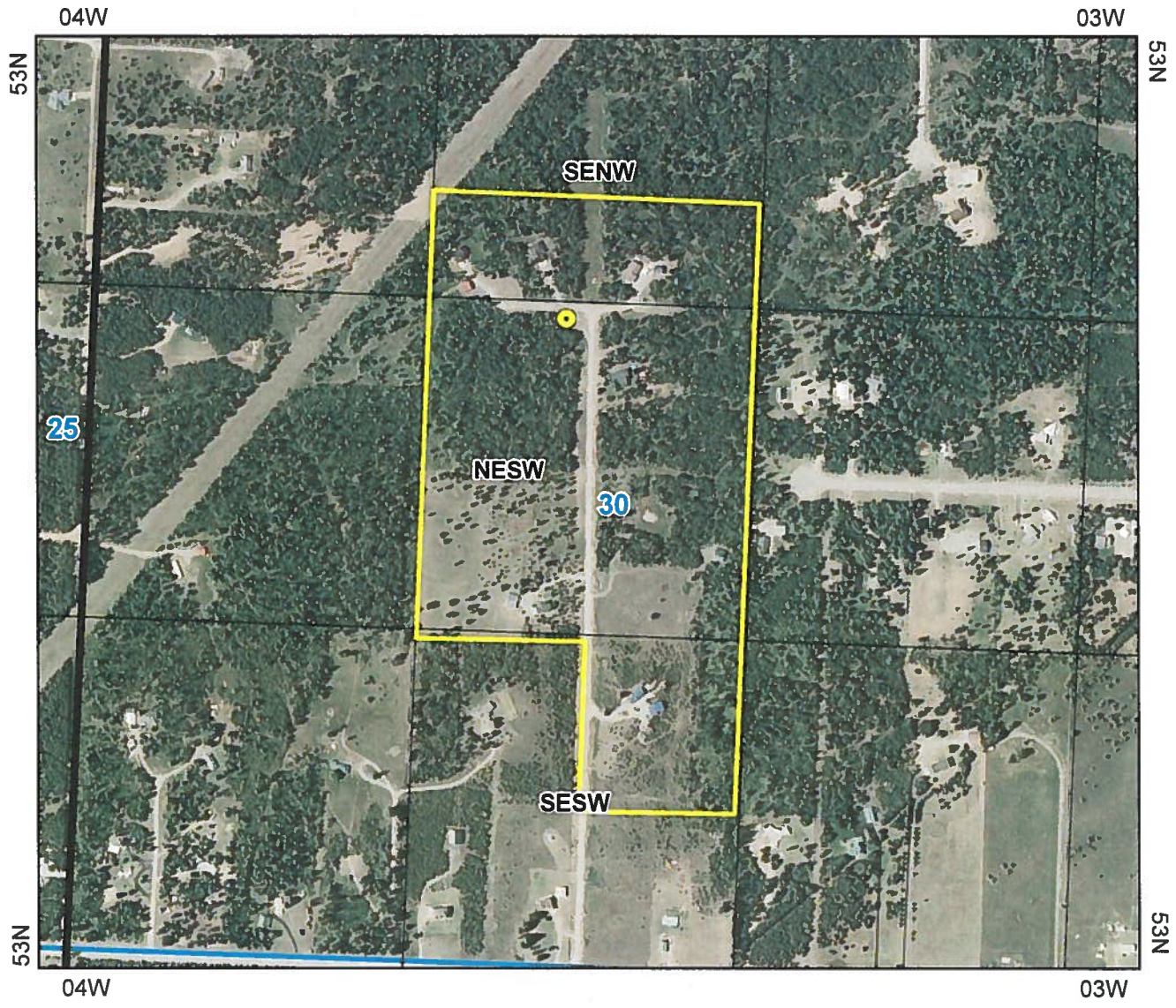
Supervisor or Operator Date 02/15/05

Louie Hanner

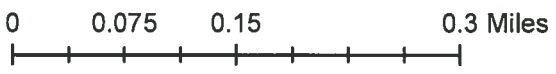
(Sign Once if Firm Official and Operator)

53N 4W 30

State of Idaho
Department of Water Resources
Water Right License
95-10022



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





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95-1000



05-10-2022



2002-10-29



95-10012