

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 95-10876

Exam Date: 9/18/2015

1. Current Owner: SYLTE RANCH LLC
8626 W SYLTE RANCH RD
RATHDRUM ID 83858-6820
(208) 687-1213

2. Accompanied by: Gordon Sylte

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 L4 SW1/4SW1/4 Sec. 30, Twp 52N, Rge 04W, B.M. KOOTENAI County

Method of Determination: GPS and maps. POD location at 47° 49.134, 116° 53.448 (A0015458)

2.

PLACE OF USE: DOMESTIC

Twp Rge Sec	NE				NW				SW				SE				
	<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>	<u>Totals</u>
52N 04W 30											X						
											L 4						

PLACE OF USE: IRRIGATION

Twp Rge Sec	NE				NW				SW				SE				
	<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>	<u>Totals</u>
52N 04W 30											2.0						2.0
											L 4						

Total Acres: 2

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>
95-92-N-229-000	UNKNOWN				

*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>
N/A						

2. Measurements:

E. FLOW CALCULATIONS

☐ Additional Computation Sheets Attached

Measured Method: UNABLE TO PERFORM FLOW MEASUREMENT. MEASUREMENT OF DIVERSION RATE COVERED UNDER IDAPA RULES 37.03.02.035.01.r.

F. VOLUME CALCULATIONS**1. Volume Calculations for Irrigation:**

$$V_{IR} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 2 \text{ AC} \times 3 \text{ AF} = 6 \text{ AF}$$

$$V_{DR} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.05 \times 246 \times 1.9835 = 24.4 \text{ AF}$$

$$V = \text{Smaller of } V_{IR} \text{ and } V_{DR} = 6 \text{ AF}$$

2. Volume Calculations for Other Uses: DOMESTIC FOR 4 HOMES = 4 X 0.6 AF = 2.4 AF**G. NARRATIVE/REMARKS/COMMENTS**

FIELD EXAM SHOWED WELL WITH UNKNOWN PUMP SIZE FEEDING TWO 1,500 GALLON CISTERNS. APPLICANT SAID WELL WAS CLEANED AND AQUA FREED IN 2005 AND OUT PUT WENT TO 20 PLUS GALLONS PER MINUTE. UNABLE TO PERFORM ANY FLOW MEASUREMENT BECUASE WELL SUPPLY WENT STRAIGHT TO CISTERNS AND FIELD EXAMINER WAS UNABLE TO GET DOWN INTO CISTERN TO PERFORM 5 GALLON BUCKET TEST. MEASUREMENT OF DIVERSION RATE COVERED UNDER IDAPA RULES 37.03.02.035.01.r. DOMESTIC FOR 4 HOMES WITH AN ANNUAL VOLUME OF 2.4 ACRE FEET. IRRIGATION OF 2 ACRES WITH AN ANNUAL VOLUME OF 6 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>
DOMESTIC	01/01 to 12/31	0.050 CFS	2.40 AF
IRRIGATION	03/15 to 11/15	0.050 CFS	6.00 AF
<u>Totals:</u>		0.050 CFS	8.40 AF

2. Recommended Amendments

☐ Change P.D. as reflected above ☐ Add P.D. as reflected above ☒ None

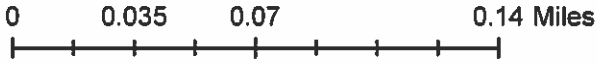
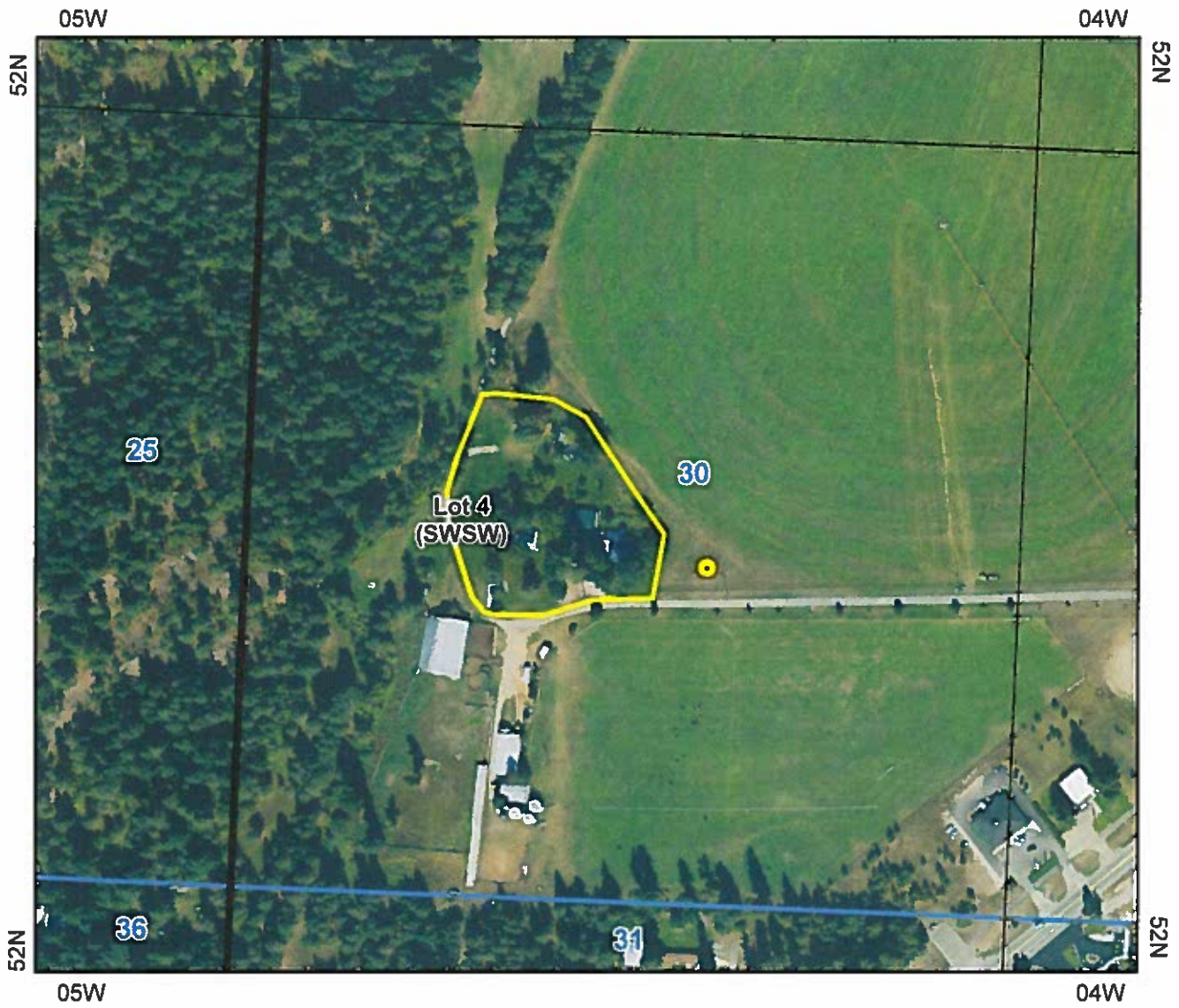
☐ Change P.U. as reflected above ☐ Add P.U. as reflected above ☐ Other

I. AUTHENTICATION

Field Examiner's Name Adam Fendrich Date 1-14-2016

Reviewer Erik [Signature] Date 1-20-2016

State of Idaho
Department of Water Resources
Water Right License
95-10876



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



STATE OF IDAHO
DEPARTMENT OF WATER RESOURCESUSE TYPEWRITER OR
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 Gordon Sylte
Address Rt 4 Box 854 Rathdrum, Idaho 83858
Drilling Permit No. 95-92-N-229-000
Water Right Permit No. _____

7. WATER LEVEL

Static water level 50 feet below land surface.Flowing? ☐ Yes ☒ No G.P.M. flow _____

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

Controlled by: ☐ Valve ☐ Cap ☐ Plug

Temperature _____ °F. Quality _____

Describe artesian or temperature zones below.

2. NATURE OF WORK

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

8. WELL TEST DATA

☐ Pump ☐ Bailor ☒ Air ☐ Other _____

Discharge G.P.M.	Pumping Level	Hours Pumped
6	500	1

3. PROPOSED USE

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

9. LITHOLOGIC LOG

89540

Bore Diam.	Depth		Material	Wa Yes
	From	To		
12		1	top soil	
12	1	18	sand & large gravel	
8	18	23	sand & brown clay	
	23	51	sand, gravel & some boulders	
	51	83	salt & pepper granite	
	83	85	soft decomposed granite	
	85	130	firm black & white granite	
	130	134	soft black & white (2 gal)	X
6	134	183	salt & pepper granite	
	183	184	soft salt & pepper, some green (2 gal)	X
	184	353	black & white granite	
	353	358	soft salt & pepper (1 gal)	X
	358	467	salt & pepper granite	
	467	472	soft salt & pepper (1 gal)	X
	472	508	firm black & white granite	
			6" started @ 160	

4. METHOD DRILLED

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

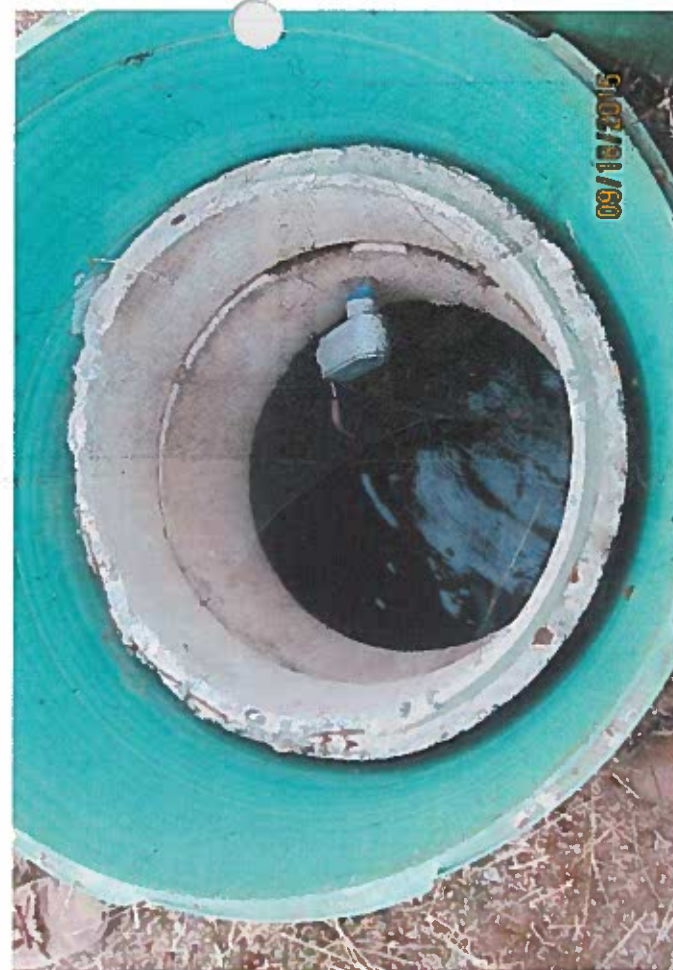
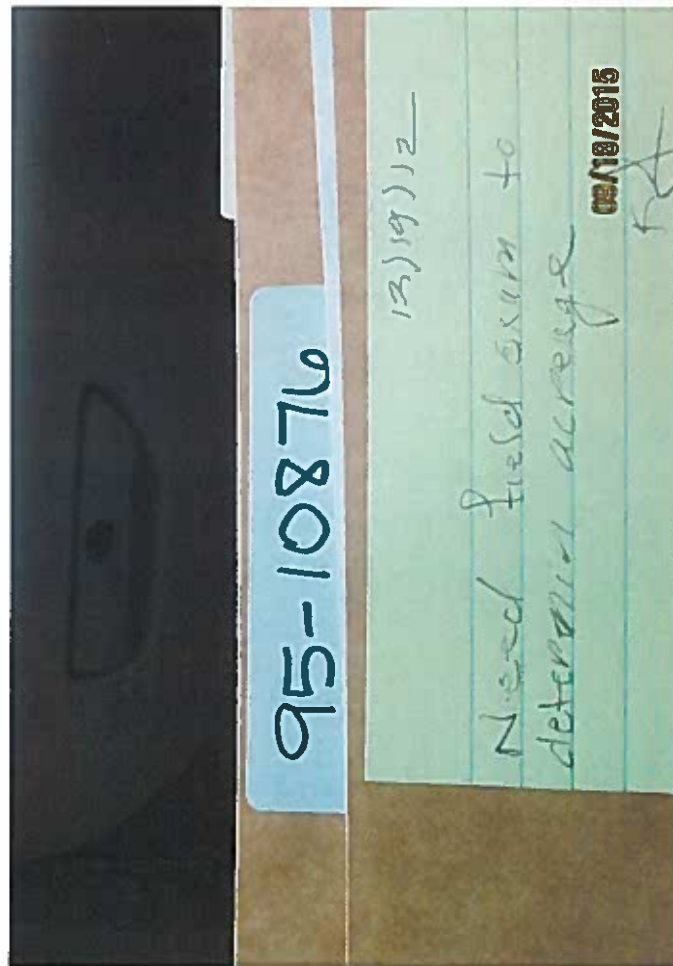
5. WELL CONSTRUCTION

Casing schedule: ☒ Steel ☐ Concrete ☐ Other _____

Thickness	Diameter	From	To
250 inches	8 inches	+ 1 1/2 feet	53.4 feet
_____ inches	_____ inches	_____ feet	_____ feet
PVC 160 inches	4 inches	- 8 feet	50.8 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 ☐ GunSize of perforation 1/8 inches by 6 inches Saw

RECEIVED



95-10876

Home 3



95-10876

Home 3



Home 4

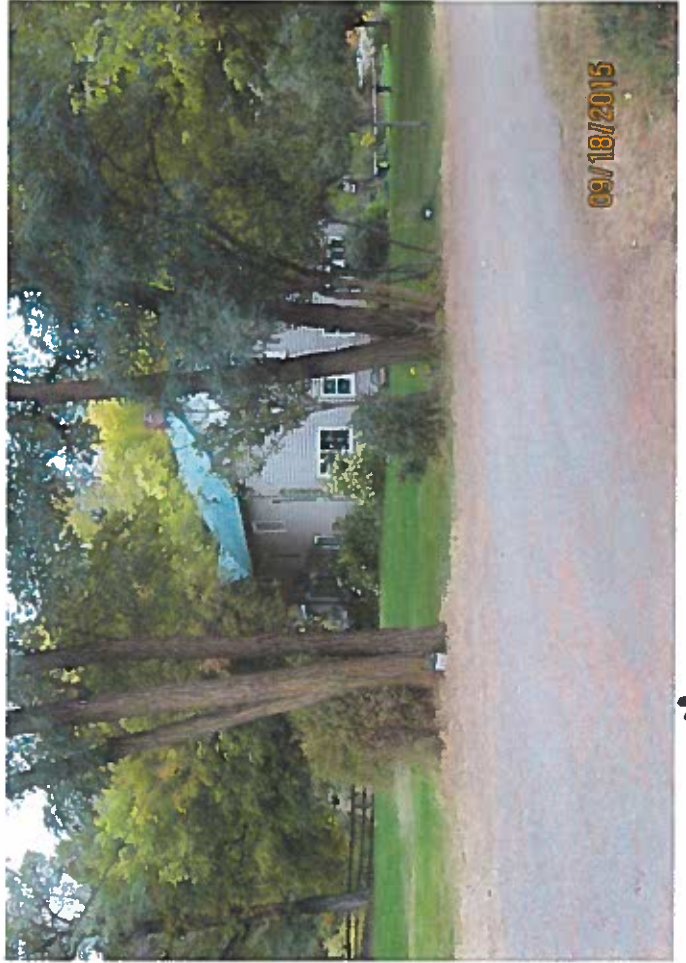
Home 2



Home 1



Home 1



Home 2



95-10876