

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 96-9513

Exam Date: 6/17/2015

1. Current Owner: P M HERNDON CORP
222 OTTS BASIN RD
SAGLE ID 83860
(208) 597-2086
2. Accompanied by: Applicants son

3. SOURCE

MOORE CREEK

TRIBUTARY

COCOLALLA CREEK

B. OVERLAP REVIEW

1. Other water rights with the same place of use: 96-9265
2. Other water rights with the same point of diversion: None

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

MOORE CREEK NE1/4NE1/4 Sec. 27, Twp 56N, Rge 03W, B.M. BONNER County

Method of Determination: GPS and maps. POD location at 48° 10.683', 116° 40.828' (A0015302)

2.

PLACE OF USE: IRRIGATION

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 22																15.5	15.5
56N 03W 27	1.0																1.0

Total Acres: 16.5

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>
	20 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>
GE PANAMETRIC			PT878	281889		

2. Measurements: MEASURED 304.5 GPM DURING 10 MINUTE PERIOD.

E. FLOW CALCULATIONS

Measured Method:

☐ Additional Computation Sheets Attached

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

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 16.5 \text{ AC} \times 3.0 = 49.5 \text{ AF}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.33 \times 214 \times 1.9835 = 140.1 \text{ AF}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 49.5$$

2. Volume Calculations for Other Uses:**G. NARRATIVE/REMARKS/COMMENTS**

PERMIT WAS ISSUED FOR 18 ACRES OF IRRIGATION IN THE SESE. 15.5 ACRES OF IRRIGATION WAS ACTUALLY BEING IRRIGATED. THERE WAS 1 ACRE OF IRRIGATION OCCURRING NEXT TO HOME IN THE NENE. WILL MAIL OUT AMENDMENT TO INCLUDE IRRIGATION IN ANOTHER QQ. MEASURED FLOW RATE USING GE PANAMETRIC AT 304.5 GPM. PERMIT SHOWS TWO SOURCES FOR WATER, SURFACE WATER AND GROUNDWATER. GROUNDWATER WILL BE REMOVED BECUASE IT IS ONLY BEING USED FOR DOMESTIC USES.

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	0.330 CFS	49.50 AF
<u>Totals:</u>		0.330 CFS	49.50 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 Friedman

Date

6-25-2015

Reviewer

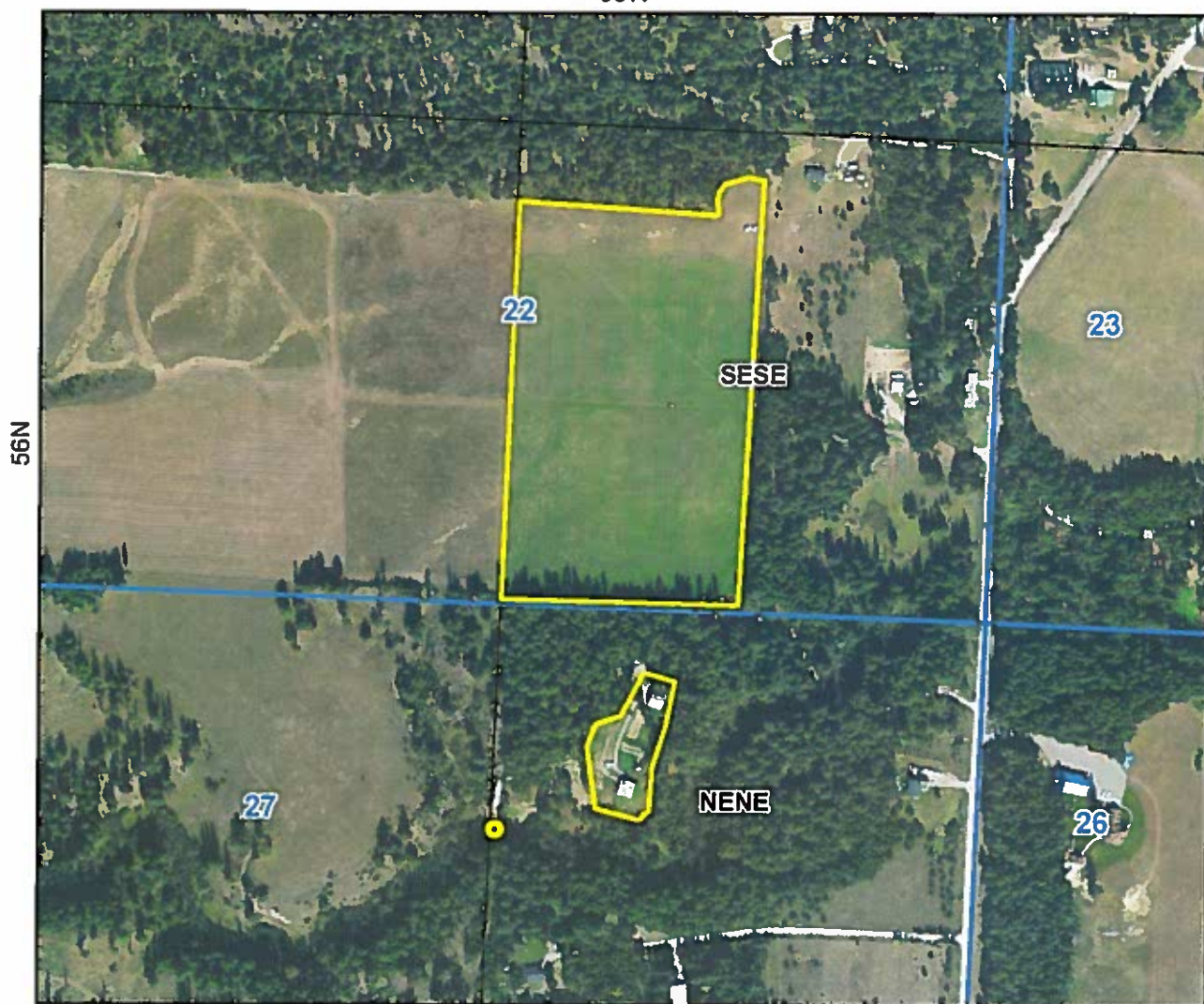
Beth E. Jaramaloni

Date

7/9/2015

State of Idaho
Department of Water Resources
Water Right License
96-9513

03W



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

0 0.05 0.1 0.2 Miles

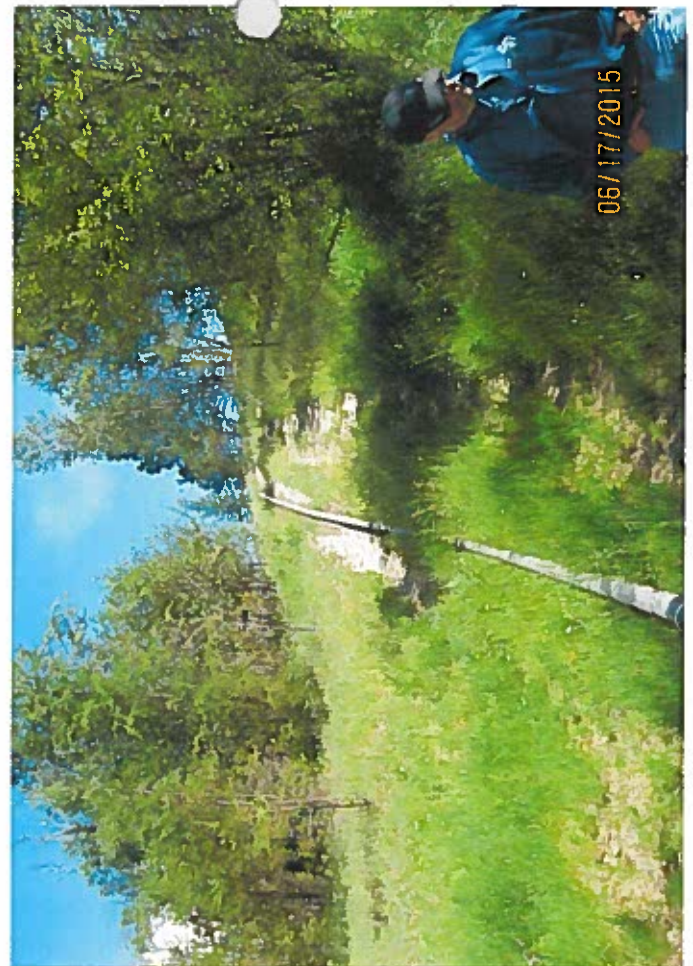




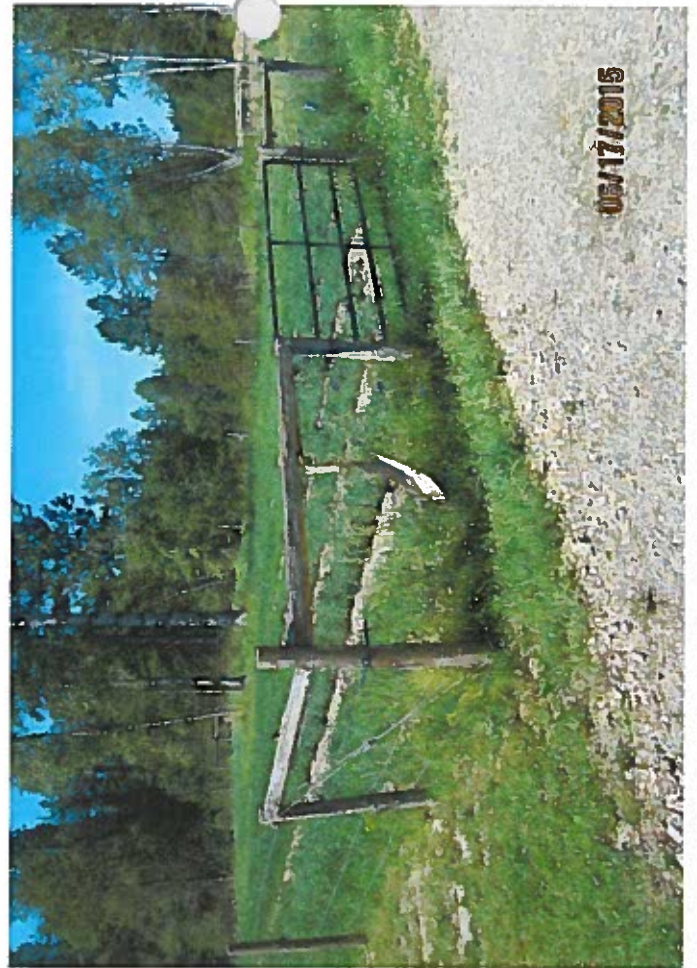
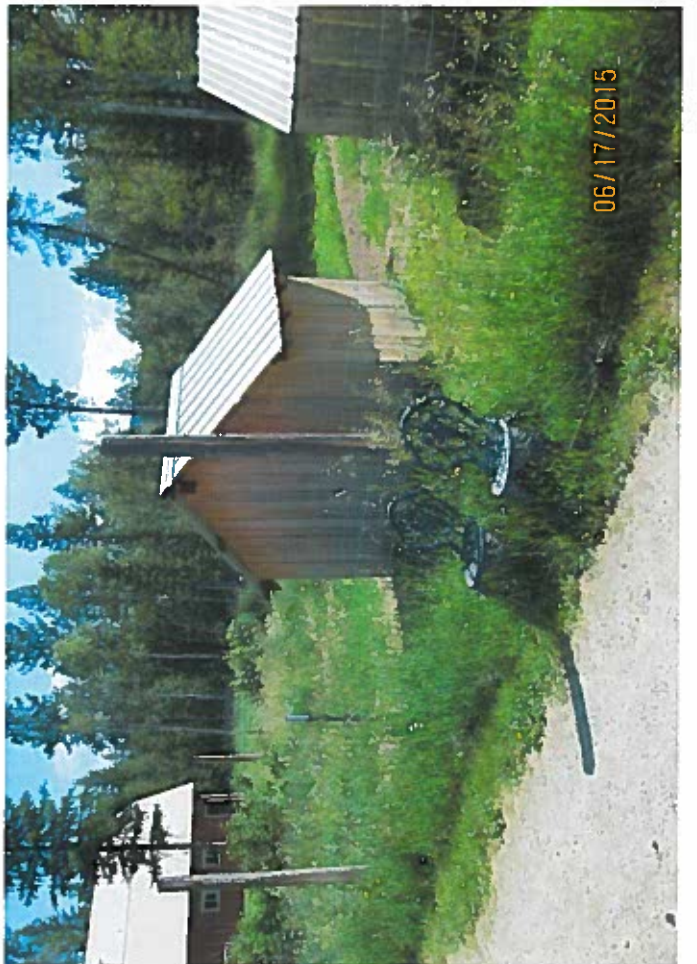
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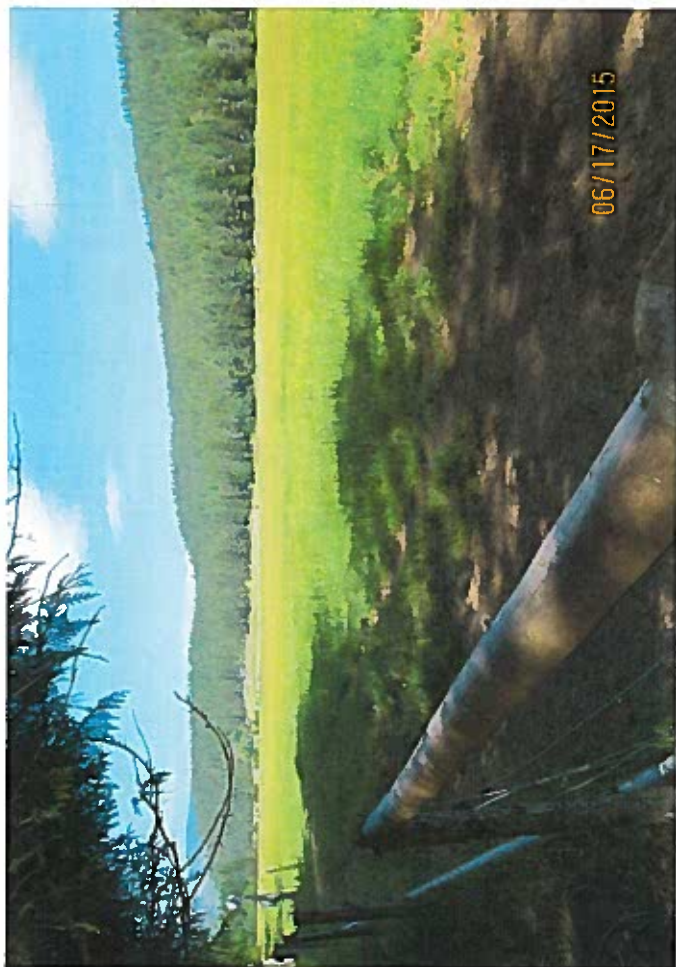
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