

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 15-7304

Exam Date: 10/3/2012

1. Current Owner: DAVID HARRIS
10101 S HWY 191
MALAD ID 83252
(208) 766-2694
2. Accompanied by: David Harris
Phone No: (208) 766-3027
Address:
Relationship to Permit Holder: Same

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: 15-7143

C. DIVERSION AND DELIVERY SYSTEM1. **LOCATION OF POINT(S) OF DIVERSION:**

GROUND WATER SE1/4NW1/4NW1/4 Sec. 22, Twp 16S, Rge 36E, B.M. ONEIDA County

Method of Determination: GPS (-112.243157, 42.026455)

2.

PLACE OF USE:

<u>PLACE OF USE:</u>		IRRIGATION																Totals	
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>	
16S	36E	22									40	40	40	40					160.0

Total Acres: 160

Method of Determination: Site visit, Aerial Photography

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.

Well or Diversion

<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 Size</u>
GPS ID #A0018081		150	BYJ00220105	GE	5K6278XH625A

*Code to correspond with No. on map and aerial photo

D. FLOW MEASUREMENTS

1.

Measurement

<u>Equipment</u>	<u>Type</u>	<u>Make</u>	<u>Model No.</u>	<u>Serial No.</u>	<u>Size</u>	<u>Calib. Date</u>
Ultra Sonic Flow Meter Porta		Flow Fuji	91012	00FY099T		

2. Measurements:

Highest instantaneous reading = 6.20 cfs, system capacity 12.48 cfs – 2.65 cfs(15-7020) – 3.88 cfs(15-7143) – 2.70 cfs(15-7137) = 3.25 cfs. Limited by the existing rate of 3.2cfs.

E. FLOW CALCULATIONS

____ Additional Computation Sheets Attached

Measured Method:

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 136 \times 3.5 = 476 \text{ afa}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 2.72 \times 214 \times 1.9835 = 1154.55 \text{ afa}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 476 \text{ afa}$$

2. Volume Calculations for Other Uses:

G. NARRATIVE/REMARKS/COMMENTSHave conditions of permit approval been met? ☒ Yes ☐ No**H. RECOMMENDATIONS****1. Recommended Amounts**

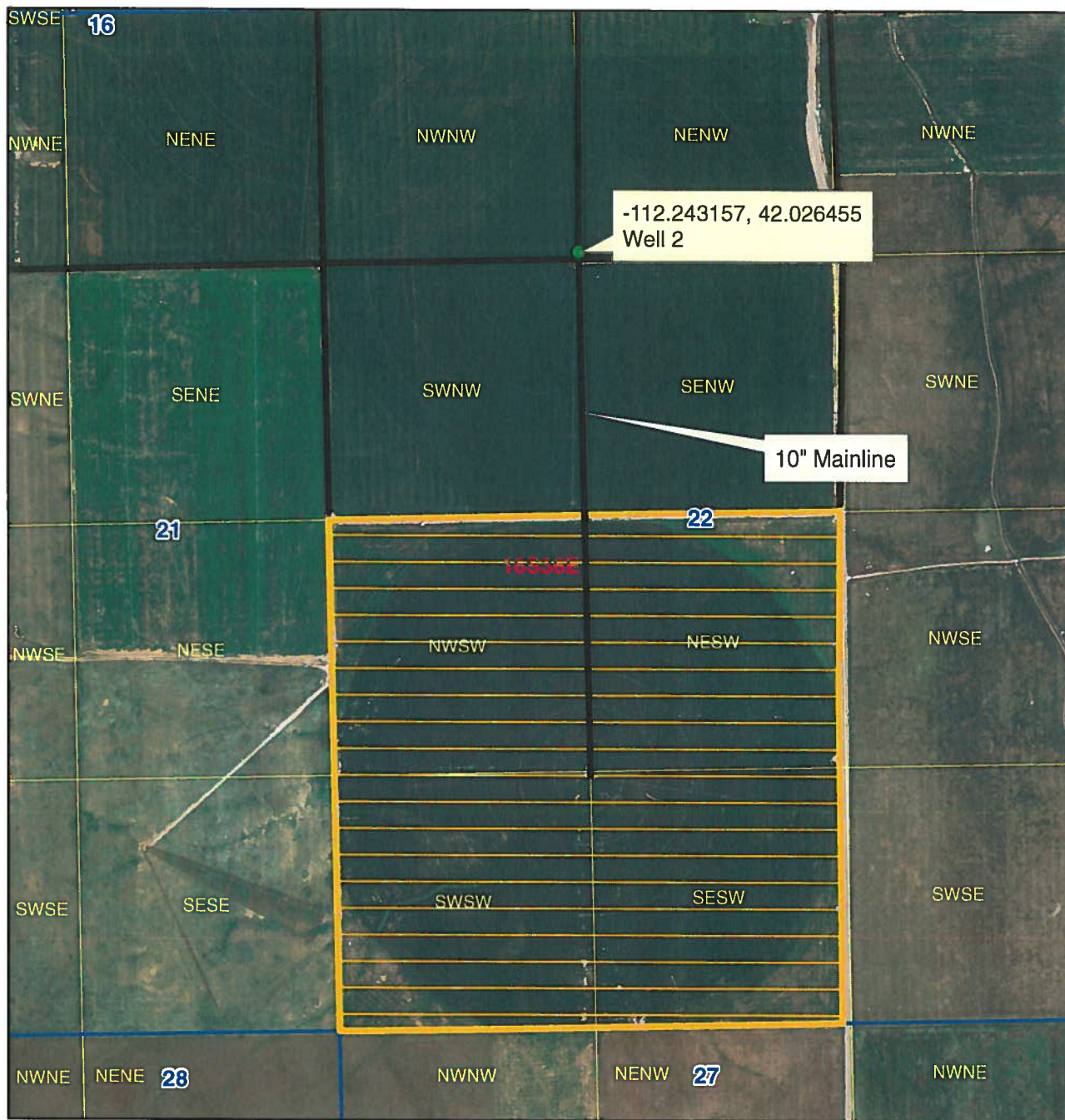
<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
IRRIGATION	04/01 to 10/31	3.20 CFS	560 afa
<u>Totals:</u>		3.20 CFS	560 afa

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. AUTHENTICATIONField Examiner's Name Kerrie Mathews Date 10/3/12

Reviewer _____ Date _____



- Distribution System
- 15-7304
- Township/Range
- Sections
- QQ

0 0.075 0.15 0.3 Miles



Close up



Well at -112.243157 42.026455 T16S R36E Sec 22 NENW