

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 15-7184

Exam Date: 6/18/2014

1. Current Owner: ALICE EDWARDS
310 S 5800 W
MALAD CITY ID 83252
(208)766-2613

DAVID EDWARDS
310 S 5800 W
MALAD ID 83252
(208)766-2613

2. Accompanied by: David Edwards

Phone No:

Address:

Relationship to Permit Holder:

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

SE1/4NE1/4

Sec. 21, Twp 14S, Rge 35E, B.M.

ONEIDA County

Method of Determination: GPS and Aerial imagery.

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>	
14S	35E	21	25.0	39.0	40.0	38.0	16.0			29.0	9.0				14.0	28.0			238.0

Total Acres: 238

Method of Determination: Aerial Photography and Pivot specs.

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>
A0018359		200			

*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>
Portable Flowmeter	FSC	Fuji	S10A1-00Y	A0L5539T		6/2014

2. Measurements: A ten minute flowmeter reading was performed. Maximum instantaneous flow rate was 1361.9 ggp or 3.03 cfs. Pressure was about 40 PSI.

E. FLOW CALCULATIONS

____ Additional Computation Sheets Attached

Measured Method: Flowmeter instantaneous values.

Measured Flow = 3.03 cfs.

No other wells or water rights. Permit will be licensed for maximum instantaneous value of 3.03 cfs.

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = 238 \text{ (Acres Irrigated)} \times 3.5 \text{ (Irrigation Requirement)} = 833 \text{ AF}$$

$$V_{D.R.} = 3.03 \text{ [Diversion Rate (cfs)]} \times 214 \text{ (Days in Irrigation season)} \times 1.9835 = 1286 \text{ AF}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 833 \text{ AF}$$

2. Volume Calculations for Other Uses: None

G. NARRATIVE/REMARKS/COMMENTS

System runs off a 200 HP pump and one 1815 foot pivot. Pivot covers the same acres as the permit allows. Amendment will be sent to owner to correct POU and POD legal descriptions.

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	3.030 CFS	833.00 AF
<u>Totals:</u>		3.030 CFS	833.00 AF

2. Recommended Amendments

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

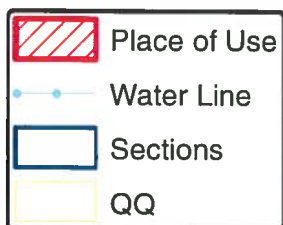
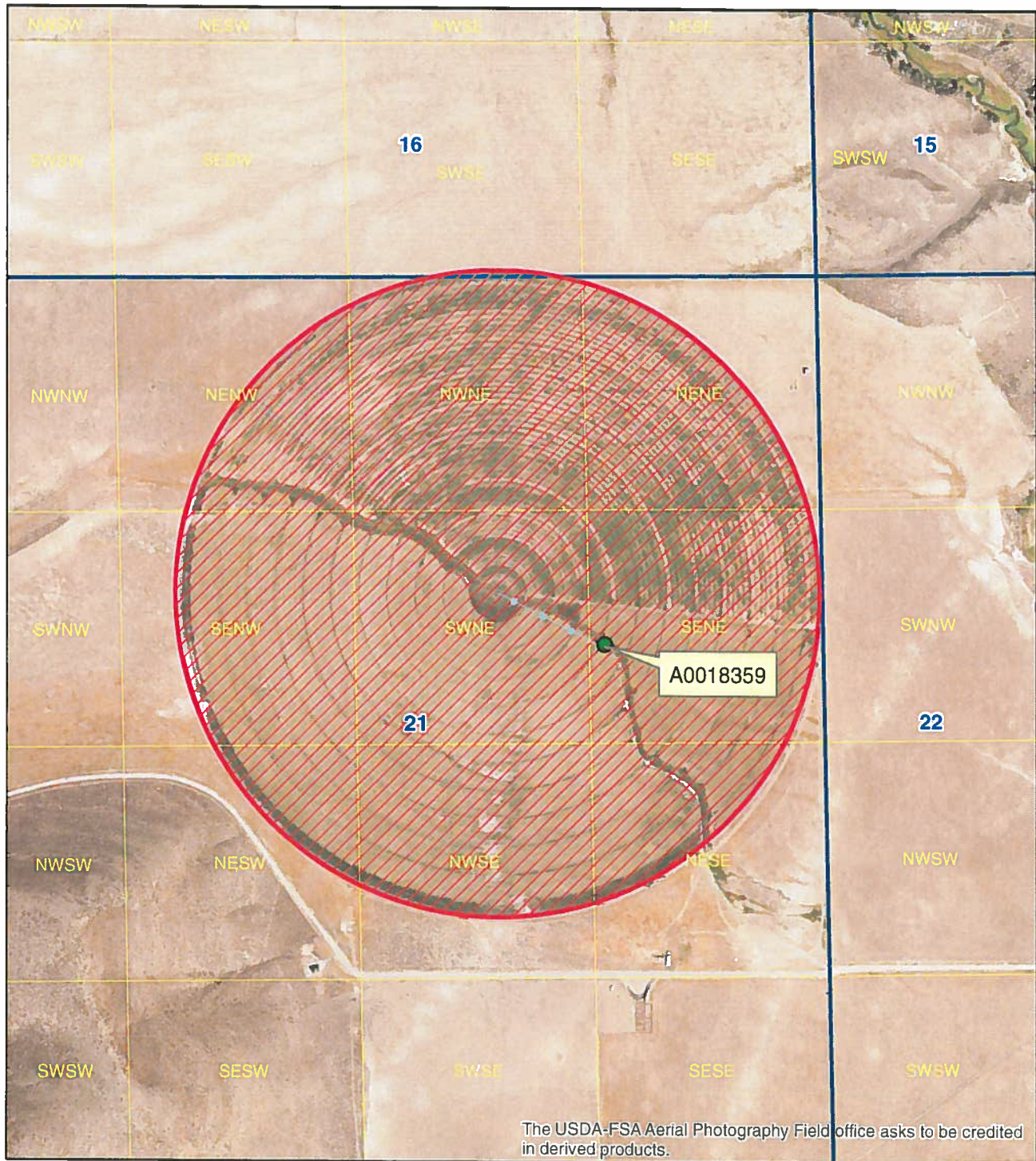
☒ Change P.U. as reflected above ☐ Add P.U. as reflected above ☐ Other

I. AUTHENTICATION

Field Examiner's Name Scott Bergquist Date 2-17-15

Reviewer _____ Date _____

Field Exam Permit 15-7184



0 500 1,000 2,000 Feet

Onieda County
IDWR Basin 15

Idaho Department of Water Resources
Prepared by Scott Bergendorf
2013 Aerial photography







15-7184 'FLOW RAT '+TOTALIZER

6/18/2014 12:45	1337.657	0	6/18/2014 12:52	1334.678	10103.1
6/18/2014 12:45	1317.514	61.3	6/18/2014 12:52	1334.503	10325
6/18/2014 12:45	1339.949	283.5	6/18/2014 12:53	1336.342	10547.8
6/18/2014 12:45	1339.259	508.5	6/18/2014 12:53	1330.76	10771.1
6/18/2014 12:45	1341.652	732.4	6/18/2014 12:53	1316.879	10991.2
6/18/2014 12:45	1327.253	954.5	6/18/2014 12:53	1343.497	11212.7
6/18/2014 12:46	1345.838	1177	6/18/2014 12:53	1343.579	11435.4
6/18/2014 12:46	1340.154	1399.7	6/18/2014 12:53	1339.817	11659.6
6/18/2014 12:46	1349.87	1624	6/18/2014 12:54	1314.794	11879.9
6/18/2014 12:46	1342.817	1848.4	6/18/2014 12:54	1332.68	12100.3
6/18/2014 12:46	1342.363	2072	6/18/2014 12:54	1341.007	12323
6/18/2014 12:46	1353.969	2297.1	6/18/2014 12:54	1360.539	12548.5
6/18/2014 12:47	1361.941	2522.8	6/18/2014 12:54	1313.326	12771.5
6/18/2014 12:47	1343.465	2748.2	6/18/2014 12:54	1332.2	12993.9
6/18/2014 12:47	1341.317	2972.1	6/18/2014 12:55	1340.72	13215.3
6/18/2014 12:47	1359.372	3197.4	6/18/2014 12:55	1349.174	13440
6/18/2014 12:47	1357.591	3423.7	6/18/2014 12:55	1358.729	13664.2
6/18/2014 12:47	1314.204	3645.1	6/18/2014 12:55	1338.803	13887.7
6/18/2014 12:48	1349.607	3868	6/18/2014 12:55	1343.245	14109.3
6/18/2014 12:48	1338.046	4091	6/18/2014 12:55	1321.087	14332.6
6/18/2014 12:48	1329.914	4315.3	6/18/2014 12:56	1340.414	14553.6
6/18/2014 12:48	1352.914	4538.8	6/18/2014 12:56	1318.502	14775.1
6/18/2014 12:48	1330.036	4763.7	6/18/2014 12:56	1339.008	14995
6/18/2014 12:48	1329.399	4986.2	6/18/2014 12:56	1330.325	15217.6
6/18/2014 12:49	1352.614	5209.5	6/18/2014 12:56	1352.728	15441.7
6/18/2014 12:49	1326.318	5432.3	6/18/2014 12:56	1337.747	15663.8
6/18/2014 12:49	1340.967	5654.3	6/18/2014 12:57	1347.081	15887.1
6/18/2014 12:49	1336.246	5876.9	6/18/2014 12:57	1352.758	16110.2
6/18/2014 12:49	1338.704	6099.9	6/18/2014 12:57	1361.927	16336.1
6/18/2014 12:49	1331.519	6322.8	6/18/2014 12:57	1354.314	16562.4
6/18/2014 12:50	1342.538	6545.9	6/18/2014 12:57	1329.063	16718.6
6/18/2014 12:50	1339.626	6770.7		gal/min	gal
6/18/2014 12:50	1332.402	6994.1			
6/18/2014 12:50	1332.603	7216.3			
6/18/2014 12:50	1336.595	7439.1			
6/18/2014 12:50	1339.162	7662.1			
6/18/2014 12:51	1328.892	7883			
6/18/2014 12:51	1347.779	8105.8			
6/18/2014 12:51	1342.321	8329.9			
6/18/2014 12:51	1342.412	8553			
6/18/2014 12:51	1326.905	8777			
6/18/2014 12:51	1340.737	8998.9			
6/18/2014 12:52	1323.285	9220.1			
6/18/2014 12:52	1315.87	9440.5			
6/18/2014 12:52	1318.149	9659.8			
6/18/2014 12:52	1334.233	9880.8			