

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 15-7150

Exam Date: 6/18/2014

1. Current Owner: DAVID D FLYNN
1550 W 1000 N
MALAD CITY ID 83252
(208)766-5355

And

JUDY ANN FLYNN
1550 W 1000 N
MALAD CITY ID 83252
(208)766-5335

2. Accompanied by: David Flynn

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

NW1/4NE1/4

Sec. 20, Twp 14S, Rge 36E, B.M.

ONEIDA County

Method of Determination: GPS and Aerial Photography.

2.

PLACE OF USE: IRRIGATION

Tw	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	36E	20	12.0	36.0															48.0

Total Acres: 48

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>Pump Serial No. or Discharge</u>
<u>ID No.*</u>	<u>Motor Make</u>	<u>Hp</u>	<u>Motor Serial No.</u>	<u>Pump Make</u>	<u>Size</u>
A0010867	Submersible	50			

*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	June/ 2014

2. Measurements: A ten minute flowmeter reading was performed. Maximum instantaneous flow rate was 547.5 gpm or 1.22 cfs. Pressure was at 50 PSI

E. FLOW CALCULATIONS

____ Additional Computation Sheets Attached

Measured Method: Flowmeter

Maximum instantaneous flow at capacity was 1.22 cfs.

Flow rate limited by acres. (48 acres * .02 cfs) = .96 cfs.

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = 48 \text{ (Acres Irrigated)} \times 3.5 \text{ (Irrigation Requirement)} = 168 \text{ af}$$

$$V_{D.R.} = .96 [\text{Diversion Rate (cfs)}] \times 214 \text{ (Days in Irrigation season)} \times 1.9835 = 407.5 \text{ af}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 168 \text{ af}$$

2. Volume Calculations for Other Uses: none

G. NARRATIVE/REMARKS/COMMENTS

System runs off of a 50 hp submersible pump with one pivot and wheelines. Permit was for 58 acres and only 48 acres were developed. No other surface water rights share the POU with this water right. Period of use was updated to standard dates.

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	0.960 CFS	168.00 AF
<u>Totals:</u>		0.960 CFS	168.00 AF

2. Recommended Amendments

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

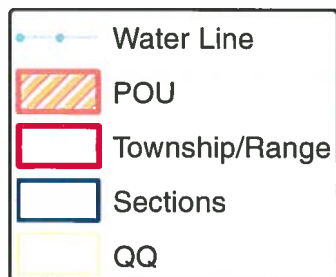
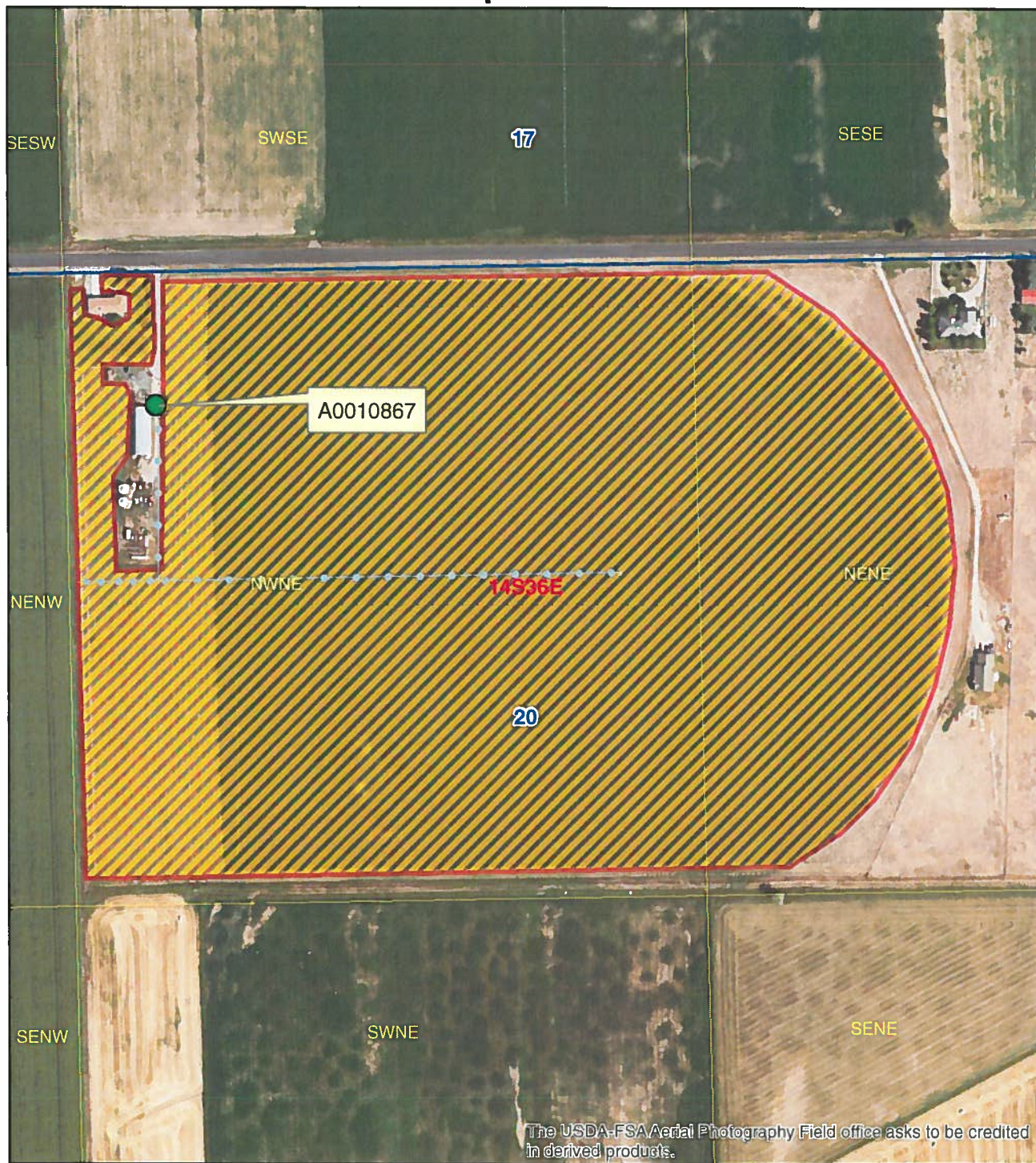
☐ Change P.U. as reflected above ☐ Add P.U. as reflected above ☐ Other

I. AUTHENTICATION

Field Examiner's Name Scott Bergendorf Date 2-12-15

Reviewer _____ Date _____

Field Exam Report WR 15-7150



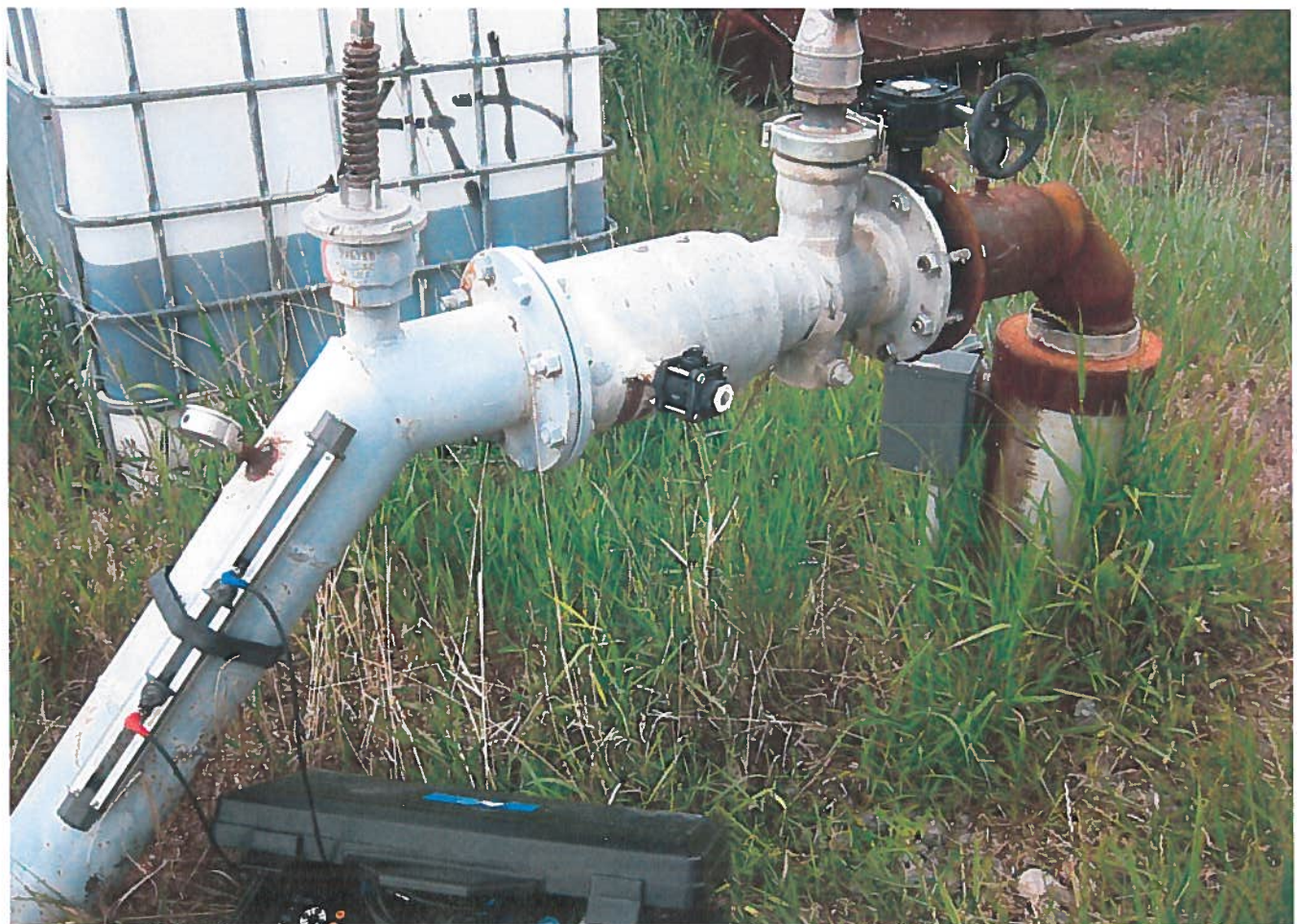
0 250 500 1,000 Feet

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

Onieda County
IDWR Basin 15







15-7150 'FLOW RAT '+TOTALIZER

6/18/2014 10:36	525.68	0	6/18/2014 10:43	523.37	3984.3
6/18/2014 10:36	526.625	64.9	6/18/2014 10:43	521.767	4071.4
6/18/2014 10:36	522.863	154	6/18/2014 10:44	521.483	4159.8
6/18/2014 10:36	524.487	242.8	6/18/2014 10:44	522.776	4246.9
6/18/2014 10:36	525.298	326.6	6/18/2014 10:44	521.25	4332.5
6/18/2014 10:36	521.924	413.6	6/18/2014 10:44	524.622	4419.4
6/18/2014 10:37	525.847	502.5	6/18/2014 10:44	522.835	4508.4
6/18/2014 10:37	520.549	591.2	6/18/2014 10:44	518.545	4597.1
6/18/2014 10:37	522.693	672.8	6/18/2014 10:45	519.728	4680.2
6/18/2014 10:37	523.374	762.1	6/18/2014 10:45	521.042	4768.7
6/18/2014 10:37	523.394	851.1	6/18/2014 10:45	520.743	4855.4
6/18/2014 10:37	524.826	938.4	6/18/2014 10:45	523.231	4944.1
6/18/2014 10:38	521.004	1023.9	6/18/2014 10:45	519.07	5027.5
6/18/2014 10:38	523.213	1111.2	6/18/2014 10:45	523.256	5114.3
6/18/2014 10:38	522.406	1200.2	6/18/2014 10:46	519.242	5202.8
6/18/2014 10:38	522.186	1289.1	6/18/2014 10:46	524.018	5286.3
6/18/2014 10:38	525.349	1372.9	6/18/2014 10:46	520.623	5375.1
6/18/2014 10:38	522.692	1460.3	6/18/2014 10:46	520.111	5463.7
6/18/2014 10:39	525.035	1549.3	6/18/2014 10:46	523.185	5552.2
6/18/2014 10:39	524.729	1638.5	6/18/2014 10:46	521.35	5634.1
6/18/2014 10:39	523.066	1722.2	6/18/2014 10:47	522.33	5722.8
6/18/2014 10:39	518.156	1810.7	6/18/2014 10:47	522.735	5811.9
6/18/2014 10:39	520.791	1897.6	6/18/2014 10:47	521.984	5899
6/18/2014 10:39	523.086	1982.6	6/18/2014 10:47	519.471	5984.1
6/18/2014 10:40	519.389	2069.6	6/18/2014 10:47	520.603	6070.7
6/18/2014 10:40	520.011	2158.2	6/18/2014 10:47	522.982	6159.2
6/18/2014 10:40	521.446	2245.1	6/18/2014 10:48	523.011	6248.2
6/18/2014 10:40	522.172	2328.5	6/18/2014 10:48	523.476	6332
6/18/2014 10:40	523.096	2417.4	6/18/2014 10:48	524.922	6419.4
6/18/2014 10:40	521.15	2506.1	6/18/2014 10:48	524.967	6508.5
6/18/2014 10:41	514.187	2594.7	6/18/2014 10:48	521.566	6592.2
6/18/2014 10:41	524.265	2677.8	6/18/2014 10:48	523.452	6681.1
6/18/2014 10:41	523.347	2765	6/18/2014 10:49	522.58	6769.8
6/18/2014 10:41	522.743	2853.7	6/18/2014 10:49	519.327	6856.6
6/18/2014 10:41	527.072	2943.2	6/18/2014 10:49	523.183	6941.5
6/18/2014 10:41	524.315	3027.4	6/18/2014 10:49	523.634	7028.8
6/18/2014 10:42	521.441	3114.6	6/18/2014 10:49	524.934	7117.8
6/18/2014 10:42	523.04	3203.2	6/18/2014 10:49	523.344	7205.4
6/18/2014 10:42	522.758	3286.4	6/18/2014 10:50	522.842	7289.2
6/18/2014 10:42	519.256	3375	6/18/2014 10:50	523.698	7378
6/18/2014 10:42	523.054	3464	6/18/2014 10:50	523.128	7467
6/18/2014 10:42	520.454	3551	6/18/2014 10:50	526.587	7550.8
6/18/2014 10:43	521.636	3634.3	6/18/2014 10:50	524.115	7640
6/18/2014 10:43	523.939	3723.3	6/18/2014 10:50	534.548	7727.8
6/18/2014 10:43	522.367	3812.3	6/18/2014 10:51	537.657	7818.9
6/18/2014 10:43	519.541	3899.1	6/18/2014 10:51	538.253	7905.2

6/18/2014 10:51	537.223	7996.5
6/18/2014 10:51	535.015	8086.1
6/18/2014 10:51	535.463	8177.2
6/18/2014 10:51	535.762	8262.9
6/18/2014 10:52	536.506	8354.2
6/18/2014 10:52	533.211	8445.2
6/18/2014 10:52	537.764	8534.4
6/18/2014 10:52	538.962	8620.6
6/18/2014 10:52	536.357	8712.1
6/18/2014 10:52	535.597	8803.2
6/18/2014 10:53	540.142	8892.6
6/18/2014 10:53	539.81	8980.9
6/18/2014 10:53	541.929	9070.7
6/18/2014 10:53	540.766	9163
6/18/2014 10:53	541.322	9253.2
6/18/2014 10:53	538.578	9341.7
6/18/2014 10:54	542.616	9431.7
6/18/2014 10:54	541.562	9523.9
6/18/2014 10:54	539.737	9613.9
6/18/2014 10:54	540.742	9702.6
6/18/2014 10:54	540.504	9792.8
6/18/2014 10:54	545.901	9885.1
6/18/2014 10:55	541.733	9972
6/18/2014 10:55	544.295	10064.2
6/18/2014 10:55	545.767	10156.7
6/18/2014 10:55	547.482	10247.7
6/18/2014 10:55	547.027	10335.5
6/18/2014 10:55	542.787	10428
6/18/2014 10:56	545.128	10520.7
6/18/2014 10:56	543.136	10602.2

gal/min gal