

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 15-7193

Exam Date: 6/2/2015

1. Current Owner: MALAD FARM LLC
16904 JUANITA DR NE STE 269
KENMORE WA 98028
2. Accompanied by: Mike Frei (Malad Farms) and Ty Thomas (original permit holder)
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: None

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

GROUND WATER	NE1/4NW1/4	Sec. 36,	Twp 13S,	Rge 35E, B.M.
ONEIDA County				
GROUND WATER	NE1/4NW1/4	Sec. 36,	Twp 13S,	Rge 35E, B.M.
ONEIDA County				

Method of Determination: GPS and ArcMap

2.

PLACE OF USE: IRRIGATION

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
13S	35E	36	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	440.0

Total Acres: 440

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. WELL INFORMATION

Two wells in the NENW of Section 36, T13S, R35E.

The southern well is referred to as "pump one" in pictures. It has a 300 HP pump powered by a diesel generator. The pump was manufactured by AA Rotating Apparatus Company and has a serial number 800052735.

The northern well is referred to as "pump two" in pictures. It has a 250 HP pump manufactured by GE, serial number LDJ1113117. It is powered by a diesel generator.

D. FLOW MEASUREMENTS

Measured with a Fuji Portaflow C.

2. Measurements:

Pump one has two above-ground pipes, one leading to each pivot. Each pipe was measured discretely.

After 10 minutes, "pipe one" (in pictures) had a totalized reading of 8903 gallons. The highest observed reading was 940.2 gpm.

After 10 minutes, "pipe two" (in pictures) had a totalized reading of 9384 gallons. The highest observed reading was 1011.0 gpm.

Pump two has a single above ground pipe that ultimately connects to both pivots.

After 10 minutes, the single pipe ("pipe three" in pictures) had a totalized reading of 9758 gallons. The highest observed reading was 1049.0 gpm.

E. FLOW CALCULATIONS

☐ Additional Computation Sheets Attached

940.2 gpm (pipe one) + 1011.0 gpm (pipe two) + 1049.0 gpm (pipe three) = system total.

System total = 3000.2 gpm

3000.2 gpm/338.83 gpm/cfs = 6.68 cfs

System = 6.68 cfs

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

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 440 \text{ acres} \times 3.5 \text{ af/acre} = 1540 \text{ af}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 6.68 \text{ cfs} \times 214 \times 1.9835 = 2835.45$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 1540$$

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

System consisted of two pivots and two pumps, all interconnected.

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	6.680 CFS	1,540.00 AF
<u>Totals:</u>		6.680 CFS	1,540.00 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 Cooper Fritz Date 10/7/2015

Reviewer _____ Date _____



"Pump one" $42^{\circ} 15' 15.3''$
 $112^{\circ} 19' 15.9''$

300 HP



Pipe one 10-minute totalization result
Highest observed reading: 940.2 gpm



Pipe two (at the south pivot) End of 10 minute totalization

Highest observed reading: 1011 GPM



"pipe
three"
to both
p.vets

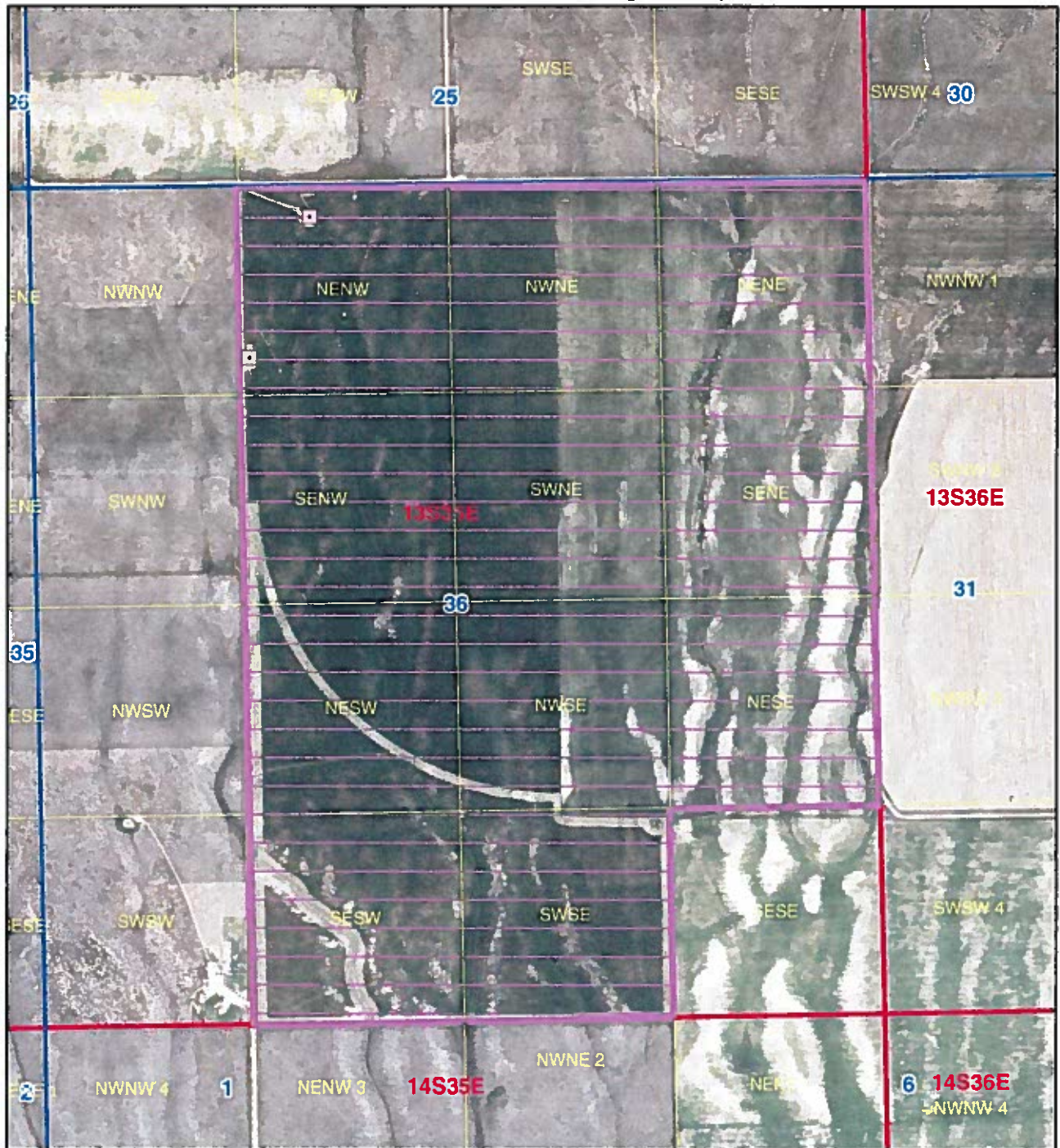
"Pump two"

250 HP 42' 15' 23.6"
112' 19' 10.6"



Pipe three 10 minute totalization result
Highest observed reading 1049 gpm

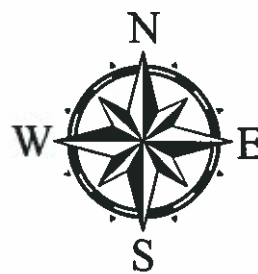
15-7193 Licensing Report



2009 Imagery

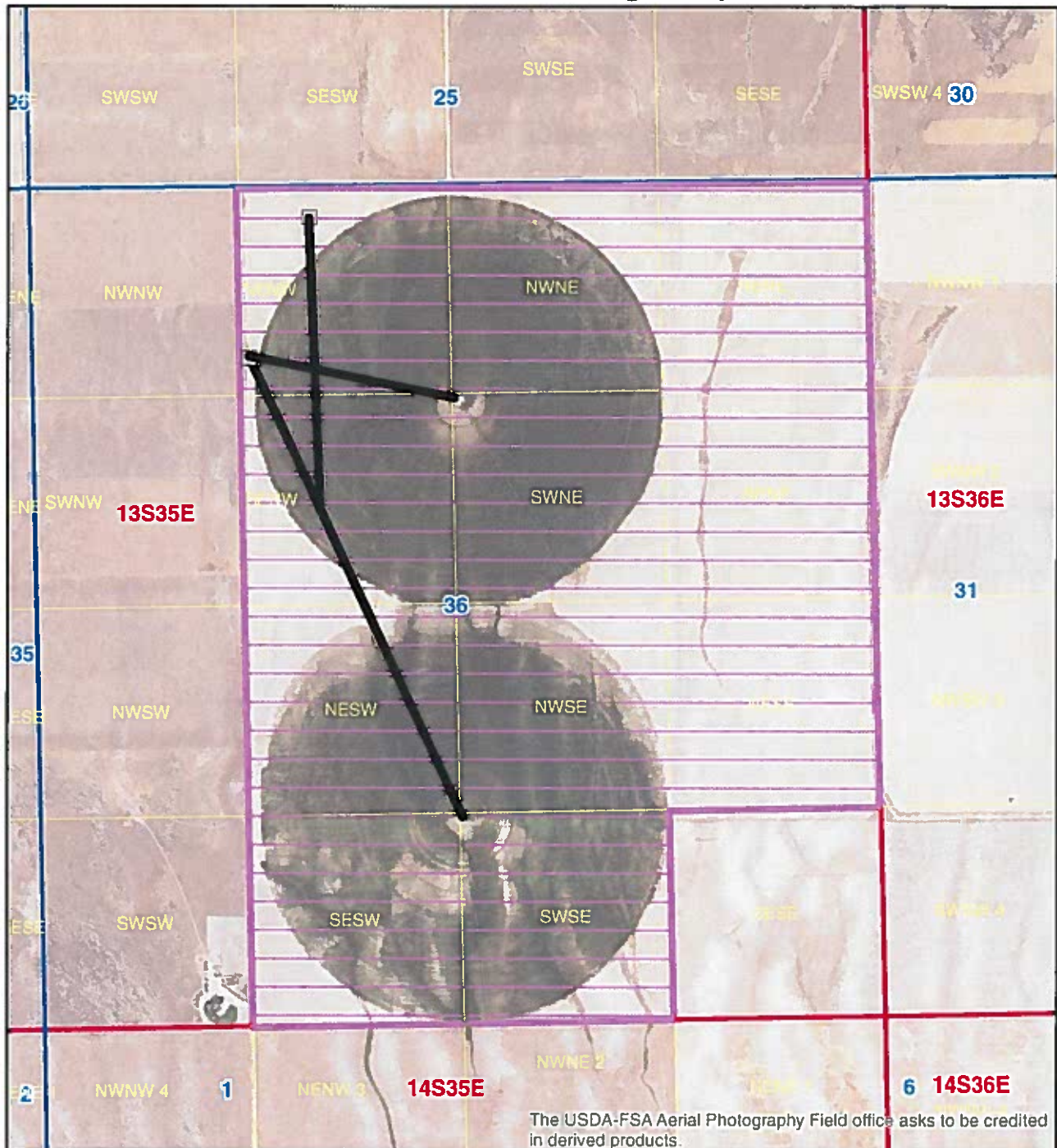
Legend

-  Water Right POD
-  Water Right POU
-  Township/Range
-  Sections
-  QQ



0 0.1 0.2 0.4 Miles

15-7193 Licensing Report



2013 Imagery

RECEIVED

FEB 26 2010

Department of Water Resources
Eastern RegionSTATE OF IDAHO
DEPARTMENT OF WATER RESOURCESSTATEMENT OF COMPLETION
FOR SUBMITTING PROOF OF BENEFICIAL USE

RECEIVED

MAR 03 2010

FOR OFFICE USE ONLY	
Amt. of Fee \$:	200
Receipt No.:	ED 35420
Receipt By:	36
Date Received:	2/26/10

The Idaho Department of Water Resources considers this form a statement by the permit holder(s) that development of a water right has been completed and that water has been applied to beneficial use to the extent described below. This form must be accompanied by an examination fee, when necessary, or by a completed Beneficial Use Field Report prepared by a certified water right examiner. Please refer to the Instructions and fee schedule for this form. If ownership of the permit has changed, please contact any Department office or visit the Department's website at: www.idwr.idaho.gov for an Assignment of Permit form. If you wish to relinquish your permit because you have not established the authorized use of the water and are not applying for an extension, please notify the Department in writing.

- Permit No.: 15-7193 Telephone No.: 208-766-2765
- Name of Permit Holder(s): Jeffery J. Thomas
- Mailing Address: 2705 W 2000 N City: Malad
State: Id Zip: 83252 Email: tbartranch@aol.com
- Source of Water: Well If GROUND WATER (well), Date Drilled: mo. Mar yr. 2009
Well Driller: Mountain West Well drilling Drilling Permit Number: D-0051479
- Extent of use(s) completed (as authorized by the water right permit):
Domestic (No. of households): _____ Stockwater (No. and type of stock): _____
Irrigation (No. of acres): 440 Other: _____
- Total rate of diversion or storage volume for which proof is submitted: 4-5 cfs OR 4⁰⁰.5⁰⁰ acre-feet.
- Compliance with a measuring device requirement, lockable controlling device requirement, and/or other conditions of permit: Refer to the approval conditions on your permit and respond accordingly. The Department will not issue a license if permit conditions are not met.
Measuring Device: Is a measuring device required? Yes ☐ No ☒
If yes, has the measuring device been installed? Yes ☐ No ☐
Lockable Controlling Device: Is a lockable device required to control the diversion? Yes ☐ No ☒
If yes, has the lockable device been installed? Yes ☐ No ☐
Other Conditions of Permit: Do the approval conditions on your permit require you to submit additional information in connection with your proof of beneficial use? If yes, list the conditions below and attach documents with the required information.
Completed? Yes ☐ No ☒

8. Fee Enclosed: \$ _____ See fee schedule on back of the instructions for filing proof of beneficial use.
Proofs filed without an appropriate fee, will be considered incomplete.

9. Person to contact to accompany the Department representative during field examination of the water system.

Name: Jeff Thomas Telephone Number: 208-766-2765
Mailing Address: 2705 W 2000 N City: Malad
State: Id Zip: 83252 Email: tbartranch@aol.com

The information given on this form is my true statement of the extent to which the above numbered permit has been developed and water has been diverted and applied to a beneficial use. I understand that any undeveloped portion of the permit is relinquished to the State of Idaho.

Signature of permit holder: Jeff Thomas owner Date: Feb 10 - 10
(Include your title, if on behalf of company or organization)

Mail to: Idaho Department of Water Resources, PO Box 83720, Boise, ID 83720-0098

10/7/2015

<u>Owner Type</u>	<u>Name and Address</u>
Current Owner	MALAD FARM LLC 16904 JUANITA DR NE STE 269 KENMORE, WA 98028

Status: Active

Tributary

Volume

8.800 CFS

8.800 CFS

Sec. 36, Twp 13S, Rge 35E, ONEIDA County

			NE				NW				SW				SE				
Twp	Rng	Sec	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	Totals
13S	35E	36	40.0	40.0	40.0	40.0	40.0			40.0	40.0			40.0	40.0	40.0	40.0		440.0

POU Total Acres: 440.0

1.	26A	Project construction shall commence within one year from the date of permit issuance and shall proceed diligently to completion unless it can be shown to the satisfaction of the Director of the Department of Water Resources that delays were due to circumstances over which permit holder had no control.
2.	046	Right holder shall comply with the drilling permit requirements of Section 42-235, Idaho Code.
3.	01M	After specific notification by the Department, the right holder shall install a suitable measuring device or shall enter into an agreement with the Department to determine the amount of water diverted from power records and shall annually report the information to the Department.
4.	R63	This right when combined with all other rights shall provide no more than 0.02 cfs per acre nor more than 3.5 afa per acre at the field headgate for irrigation of the lands above.

Permit Proof Made Date: 2/26/2010

IDAHO DEPARTMENT OF WATER RESOURCES
Proof Report

10/7/2015

Permit Approved Date: 4/3/2001
Generic Max Rate Per Acre: 0.020
Generic Max Volume Per Acre: 3.5
Mitigation Plan: False

Combined Use Limits

N/A

Verification Log

SubCase:

N/A

Water Supply Bank:

N/A