

December 21, 2015

Mr. Daniel Nelson
Staff Hydrologist
Idaho Department of Water Resources
PO Box 83720
Boise, ID 83720-0098

RE: Certified Field Exam for Permit 63-33721

Dear Mr. Nelson:

This letter is in response to your letter of December 15, 2015 regarding the above referenced field exam. This permit has a long history due, in part, to IDWR's concerns about the condition of the ground water supply in the area between Star and Eagle. As noted in Item E. of the field exam, a well could not be successfully developed at the original proposed location that would have allowed this new well to be used in combination with the other wells that were already in place. The driller moved further south believing he was still in the same 40 acre tract as specified on the permit but upon examination the well was drilled in the adjoining tract to the west of the permitted tract.

With the final location of the new well the decision was made to use it as a standalone well rather than pumping water back to the pond used by the other wells. This well is plumbed directly into the mainline as shown in the first and second attachments to the field exam. From the location of the well and the arrangement of the mainlines, water from the new well can still be used on any part of the property.

There is no prohibition from a permit holder submitting proof on fewer than all the approved points of diversion. As clearly shown on the field exam, only the new well is a point of diversion for the permit that is being sought to be licensed to increase the diversion rate for the property being served. All of the wells and the waste water point of diversion are shown on Attachments 1 and 2 as is required by IDAPA 37.03.02.035.01.d.

The field exam does NOT report 240 acres of irrigation but rather reports 229.7 acres of irrigation. If the 2015 photography is the same 2015 photography I reviewed it was taken on April 29, before irrigation had begun and before growing crops were visible on the property. As shown in the photos attached to the field report, all the corners were irrigated this year with solid set sprinklers unlike in earlier years when

Denver
1842 Clarkson St.
Denver, CO 80218
303.830.1186

Durango
1015 1/2 Main Avenue
Durango, CO 81301
970.422.2136

Hotchkiss
P.O. Box 932
161 South 2nd St.
Hotchkiss, CO 81419
970.872.3020

Idaho
4001 East Main Street
Emmett, ID 83617
208.365.7684

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Natural Resources
and the Environment

different crops were being raised. I believe the 229.7 acres is an accurate representation of the irrigated acreage in 2015.

The Octave flow meter does include a totalizer that allows the water user to report annual diversion volumes if requested by IDWR. I apologize for not making that clear in my report, attached is the brochure available from the vendor for the Octave meter that shows the totalizer capabilities. At the present time, the permit holder has not been instructed to report annual diversion volumes.

Please let me know if you need further information to process this field exam and issue the corresponding license for permit 63-33721.

Yours truly,



David B. Shaw P.E./P.L.S.
Project Manager

Enc.

cc: Mike Dixon w/o Enc.

OCTAVE™ ULTRASONIC METER

2", 3", 4", 6", 8"



THE SCIENCE OF PRECISE MEASUREMENT™

Octave brings the latest in ultrasonic metering technology to Commercial/Industrial (C&I) water meters and puts precise measurement where the real flows exist. This unique design delivers precise measurement without any moving parts and a generous open area to pass small entrained solids for maximum life and enduring accuracy. With sensitivity beginning at flow rates as low as 1/16 GPM, Octave excels

at capturing even minimal use to maximize revenue on your commercial metered points. The Octave outperforms a compound by offering no moving parts and no changeover. Excellent alternative to mechanical compound, single-jet, floating ball, and turbine meters, Octave excels at maintaining sustained accuracy for the life of the meter while providing smart AMR capabilities.

QUICK FACTS:

- * No moving parts. Minimal flow intrusion. Enduring accuracy.
- * Flow sensitivity starting at 1/16 GPM
- * No required strainer
- * Double beam ultrasonic measurement sensors for high accuracy and reliable operation
- * FM Approval on all sizes
- * Industry standard communication protocol for integration with most third-party AMR/AMI systems
- * Active leak, theft, backflow, meter damage/tamper, rate of flow, and battery life indication
- * Detailed LCD display features immediate reporting and visual indicators for 8 critical conditions
- * Open collector pulse output, encoder or externally powered loop 4-20 mA
- * Lithium battery provides guaranteed 10 year life expectancy
- * Ruggedized NEMA 6P/IP-68+ construction; Fully submersible design
- * Designed to meet standards for both North American and international C&I water meters
- * Design provides full compliance with ANSI/NSF 372 (AB 1953 or NSF61G)

Lifetime Accuracy | Exceptional Low Flow Performance | No Moving Parts - Low Maintenance
AMR/AMI Capable | No Strainer - Minimal Piping Considerations



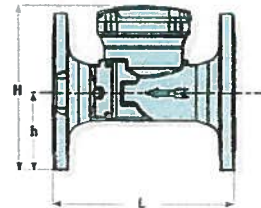
TECHNICAL SPECIFICATIONS

(SIZES AVAILABLE: 2", 3", 4", 6", 8")

Working Pressure:	175 PSI
Liquid Temperature:	32° - 122°F
Metrological Characteristics:	Meets AWWA Standard C-750-03, ISO 4064 rev. 2005
Configuration:	Compact - Display built into unit
Power Source:	2 x D Size Lithium Thionyl Chloride batteries - 10 year warranted life time
Environmental Protection:	NEMA 6P+ (IP68+), Ambient operation temp. -13°F / +131°F for the display
Display Units:	Multi line 9 digit LC display (Programmable USG, Cu Ft, M ³ Acre Feet for Volume with GPM or metric flow rate choices)
Output (optional):	Programmable single/dual open collector pulse output, encoder OR Externally Powered loop 4-20 mA

DIMENSIONS

Model	Octave				
Nominal Size	2"	3"	4"	6"	8"
	(50 mm)	(80 mm)	(100 mm)	(150 mm)	(200 mm)
L - Length	17"	12"	14"	18"	20"
	(432 mm)	(305 mm)	(356 mm)	(457 mm)	(508 mm)
B - Width	5 3/4"	7 1/2"	9"	11"	13 1/2"
	(146 mm)	(190 mm)	(229 mm)	(280 mm)	(343 mm)
H - Height	6 3/4"	8 1/2"	9 7/8"	10 7/8"	12 7/8"
	(172 mm)	(216 mm)	(250 mm)	(276 mm)	(327 mm)
h - Height	2 1/8"	3 1/2"	4 1/2"	5 1/8"	6 3/8"
	(54 mm)	(90 mm)	(115 mm)	(130 mm)	(162 mm)
Weight	24 lbs	36 lbs	48.5 lbs	99 lbs	136 lbs
	(11 kg)	(16 kg)	(22 kg)	(45 kg)	(62 kg)



ELECTRICAL OUTPUT RESOLUTION

(QUANTITY/PULSE)

	M ³	USG	Cu Ft.	A.F.
Resolution	Max Pulse width [ms]	Max Pulse width [ms]	Max Pulse width [ms]	Max Pulse width [ms]
0.0001	10			125
0.001	10			125
0.01	90		3	125
0.1	125	4	32	125
1	125	40	125	125
10	125	125	125	125
100	125	125	125	125
1000	125	125		

Master Meter, Inc.

101 Regency Parkway, Mansfield, TX 76063

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01/11/11



RECEIVED

DEC 03 2015

WATER RESOURCES
WESTERN REGIONSTATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
STATEMENT OF COMPLETION
FOR SUBMITTING PROOF OF BENEFICIAL USE

FOR OFFICE USE ONLY

Amt. of Fee \$: _____
Receipt No. _____
Receipt By: _____
Date Received: _____

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.

1. Permit No.: 63-33721 Telephone No.: 208 454-5528
2. Name of Permit Holder(s): Hoot Nanney Farms, Inc.
3. Mailing Address: C/o Michael L Dixon, 8542 Floating Feather Rd City: Eagle
State: ID Zip: 83616 Email: _____
4. Source of Water: Ground Water If **GROUND WATER** (well), Date Drilled: mo. March / yr. 2015
Well Driller: Coonse Well Drilling & Pump Co., Inc. Drilling Permit Number: 409
5. 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): 240 Other: _____
6. Total rate of diversion or storage volume for which proof is submitted: 2.40 cfs OR _____ acre-feet.
7. 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?

If yes, has the measuring device been installed?

Yes ☒	No ☐
Yes ☒	No ☐

Lockable Controlling Device: Is a lockable device required to control the diversion?

If yes, has the lockable device been installed?

Yes ☐	No ☒
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: Michael Dixon Telephone Number: 208 454-5528

Mailing Address: 8542 Floating Feather Rd City: Eagle

State: ID Zip: 83616 Email: _____

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:

Michael L Dixon President H. V. F.
(Include your title, if on behalf of company or organization)

Date: 7-24-15

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

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

RECEIVED
DEC 03 2015
DEPT OF WATER RESOURCES

A Beneficial Use Field Report is prepared by a water right examiner as the result of an examination to clearly confirm and establish the extent of the beneficial use of water established in connection with a permit during the development period authorized by the permit and any extensions of time previously approved.

A. GENERAL INFORMATIONPermit No. 63-337211. Owner Hoot Nanney Farms, Inc.Phone No. 208 484-5528Current address C/o Michael L Dixon, 8542 Floating Feather Rd, Eagle, ID 836162. Examiner's name David ShawEXAM DATE 7-24-153. Accompanied by Michael Dixon

Email _____

Address 8542 Floating Feather Rd, Eagle, ID 83616Relationship to permit holder SelfPhone No. 208 484-55284. Source Ground Water

tributary to _____

B. OVERLAP REVIEW1. Other water rights with the same place of use 63-32010, 63-2958, 63-319882. Other water rights with the same source and point of diversion 63-2958, 63-31988**C. DIVERSION AND DELIVERY SYSTEM**

1. Point(s) of Diversion:

Ident. No.	Gov't Lot	¼	¼	¼	Sec	Twp	Rge	County	Method of Determination/Remarks
4	1		NE	NE	4	4N	1W	Ada	GPS

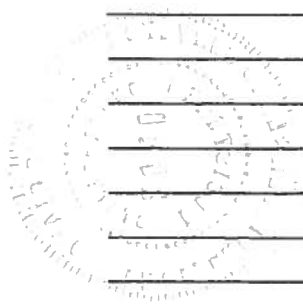
2. Place(s) of Use:

Method of determination NAIP Photo and PLSS Shape from BLM

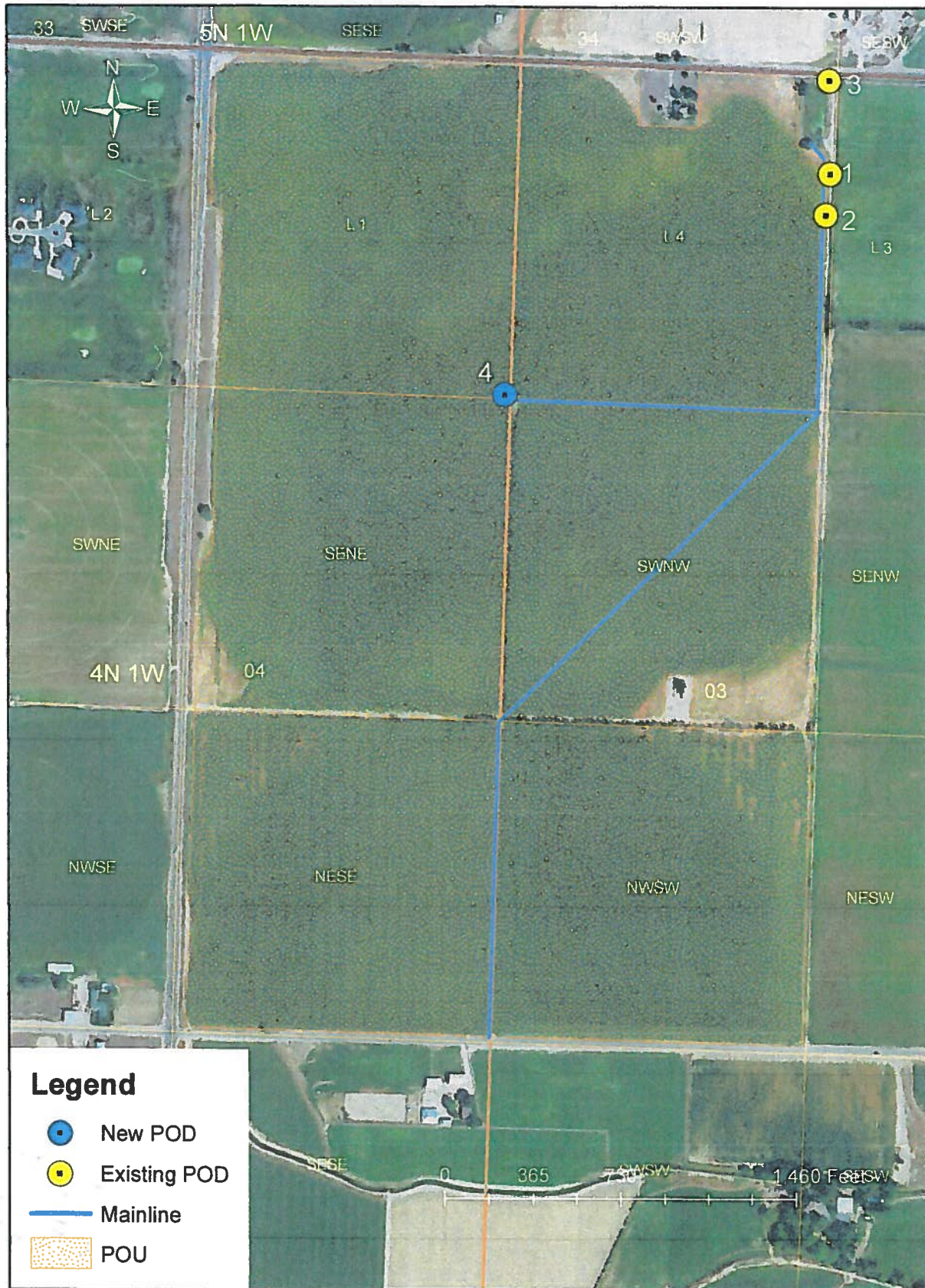
Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
4N	1W	3						38.1	38.6			38.6							115.3
		4	38.8			37.6									38.0				114.4

The 2 existing wells at points 1 and 2 discharge into a pond along with any wastewater available from point of diversion 3. Two pumps pressurize water from the pond to operate the 2 pivots and solid set corners. The discharge from the new well is plumbed directly into the buried mainline at the northern most pivot instead of pumping into the pond with the other wells. The new well can deliver water to either the north or south pivot or the solid set sprinklers in the corners.

Has the permit holder met all conditions of permit approval, including any mitigation requirements and/or measuring device installation requirements? ☒ Yes ☐ No If no, what must be done to meet the permit requirements?



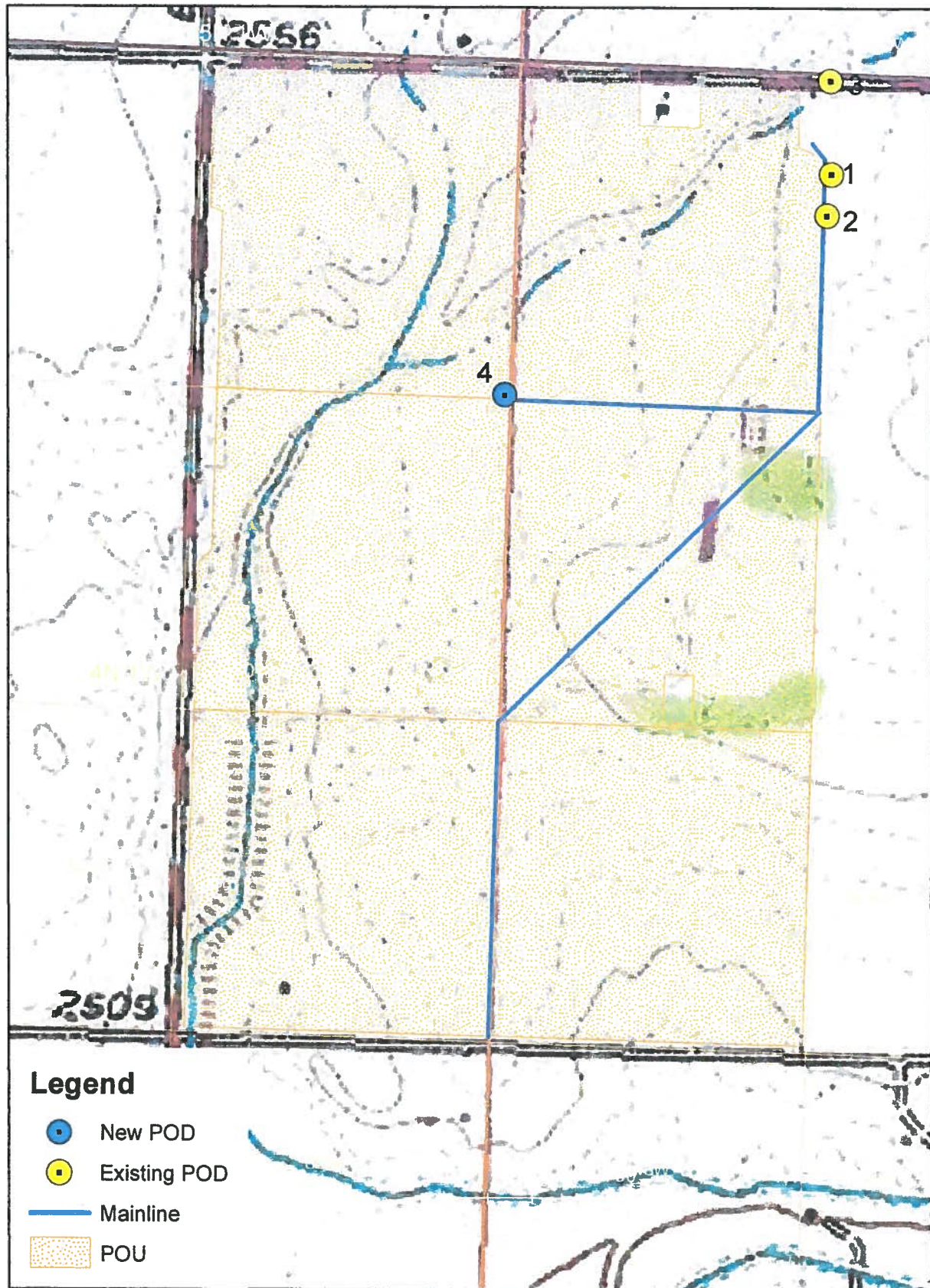
Hoot Nanney Farms Inc. Permit 63-35721 Field Exam



Based on 2013 NAIP Photography

Prepared for Hoot Nanney Farms, Inc. by ERO December 2015

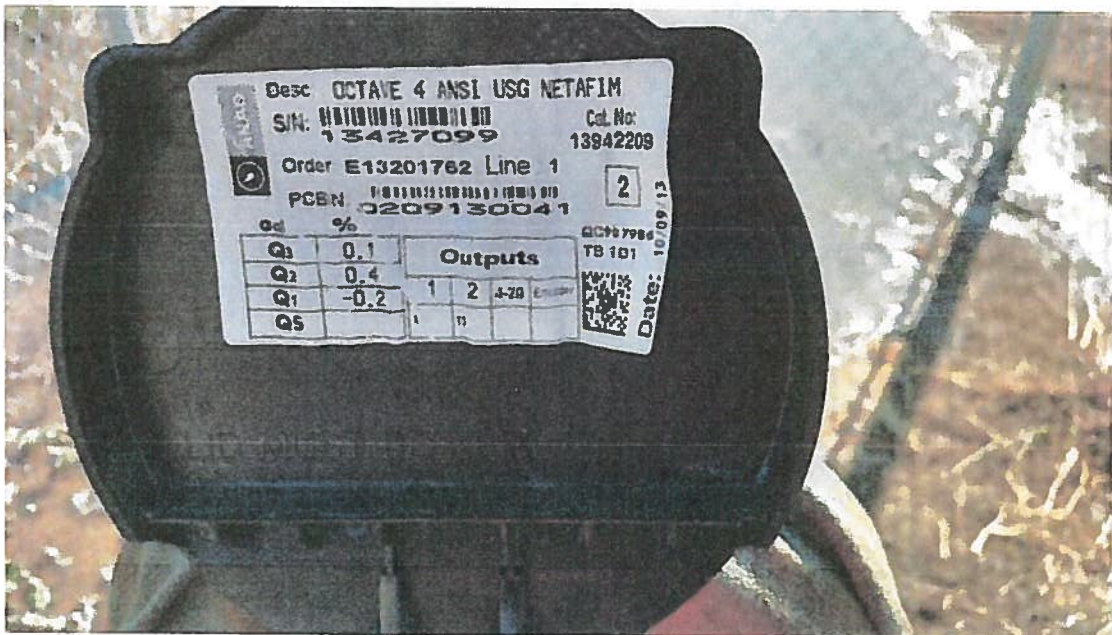
Hoot Nanney Farms Inc. Permit 63-35721 Field Exam



Permit 63-33721 Field Exam Photos



New well, valves and flow meter on the right



Flow meter information



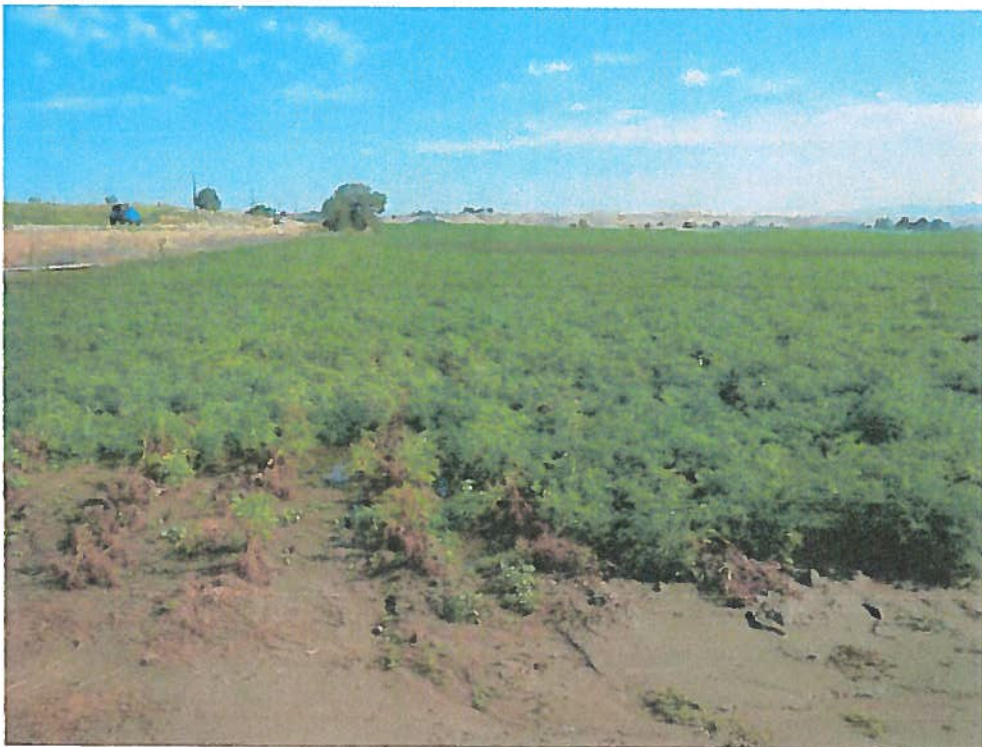
Northeast corner of south field showing solid set sprinklers in corner



Northwest corner of south field showing solid set sprinklers in corner



Southeast corner north field showing solid set sprinklers in corner



Southwest corner north field showing solid set sprinklers in corner



Northwest corner north field showing solid set sprinklers in corner



Northeast corner north field showing solid set sprinklers in corner